

**APPENDIX 2: Data of EMI test**

**Conducted Emission**  
**BDR, Tx, Ch: Low**

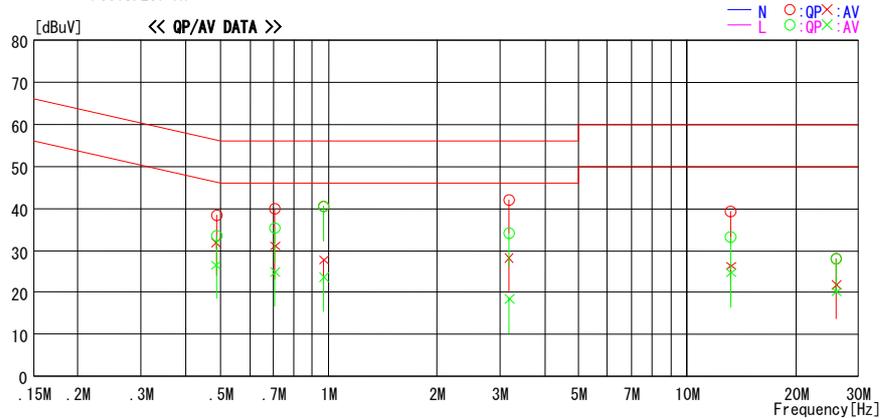
**DATA OF CONDUCTED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber  
Date : 2008/12/07

Company : SHARP CORPORATION  
Kind of EUT : W-CDMA / GSM Mobile Phone  
Model No. : PV300  
Serial No. : P3-156  
Report No. : 29CE0264-HO-01  
Power : DC 5V (AC Adapter: AC120V/60Hz)  
Temp./Humi. : 21deg. C / 30%  
Engineer : Kenichi Adachi

Mode / Remarks: Bluetooth Tx 2402MHz, Hopping off, BDR

LIMIT : FCC15.207 QP  
FCC15.207 AV



Frequency [MHz]	Reading Level		Corr. Factor	Results		Limit		Margin		Phase
	QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dB]	AV [dB]	
0.48534	38.2	31.6	0.4	38.6	32.0	56.2	46.2	17.6	14.2	N
0.70677	39.5	30.8	0.4	39.9	31.2	56.0	46.0	16.1	14.8	N
0.97346	40.1	27.4	0.5	40.6	27.9	56.0	46.0	15.4	18.1	N
3.17890	41.4	27.6	0.8	42.2	28.4	56.0	46.0	13.8	17.6	N
13.22956	36.6	23.5	2.9	39.5	26.4	60.0	50.0	20.5	23.6	N
26.15798	22.6	15.9	5.7	28.3	21.6	60.0	50.0	31.7	28.4	N
0.48557	33.3	26.1	0.4	33.7	26.5	56.2	46.2	22.5	19.7	L
0.70699	35.0	24.2	0.4	35.4	24.6	56.0	46.0	20.6	21.4	L
0.97368	40.1	22.9	0.5	40.6	23.4	56.0	46.0	15.4	22.6	L
3.17910	33.3	17.6	0.8	34.1	18.4	56.0	46.0	21.9	27.6	L
13.22956	30.5	21.6	2.9	33.4	24.5	60.0	50.0	26.6	25.5	L
26.15798	22.4	14.3	5.7	28.1	20.0	60.0	50.0	31.9	30.0	L

CHART: WITH FACTOR, Peak hold data. CALCULATION: RESULT [dBuV] = READING [dBuV] + C.F [dB] (LISN LOSS + CABLE LOSS)  
Except for the above table : adequate margin data below the limits.

\*The test result is round off to one or two decimal places, so some differences might be observed.

**UL Japan, Inc.**  
**Head Office EMC Lab.**  
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Telephone : +81 596 24 8116  
Facsimile : +81 596 24 8124

**Conducted Emission**  
**BDR, Tx, Ch: Low**  
**DATA OF CONDUCTED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No. 4 Semi Anechoic Chamber  
 Date : 2008/12/07

Company	: SHARP CORPORATION	Report No.	: 29CE0264-HO-01
Kind of EUT	: W-CDMA / GSM Mobile Phone	Power	: DC 5V (AC adapter: AC120V/60Hz)
Model No.	: PV300	Temp./Humi.	: 21deg. C / 30%
Serial No.	: P3-156	Engineer	: Kenichi Adachi

Mode / Remarks: Bluetooth Tx 2402MHz, Hopping off, BDR

LIMIT : FCC15.207 QP  
FCC15.207 AV

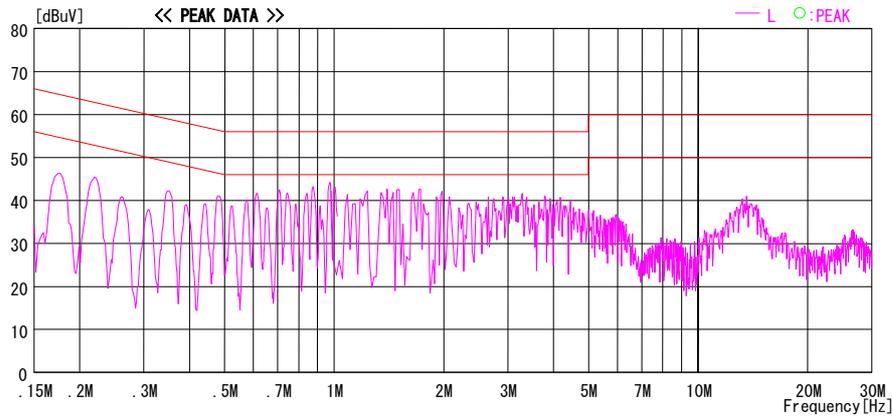
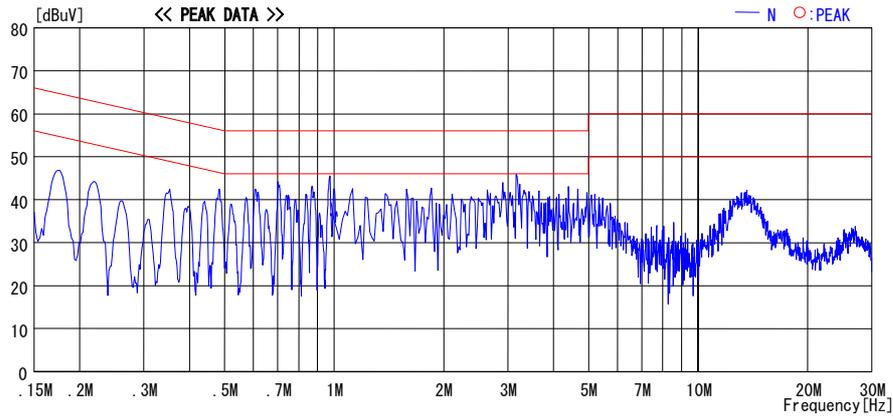


CHART: WITH FACTOR, Peak hold data. CALCURATION: RESULT[dBuV]=READING[dBuV]+C.F[dB] (L I S N LOSS+CABLE  
 Except for the above table : adeuate margin data below the

**Conducted Emission**  
**BDR, Tx, Ch: Mid**  
**DATA OF CONDUCTED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber  
 Date : 2008/12/07

Company	: SHARP CORPORATION	Report No.	: 29CE0264-HO-01
Kind of EUT	: W-CDMA / GSM Mobile Phone	Power	: DC 5V (AC Adapter: AC120V/60Hz)
Model No.	: PV300	Temp./Humi.	: 21deg. C / 30%
Serial No.	: P3-156	Engineer	: Kenichi Adachi

Mode / Remarks: Bluetooth Tx 2441MHz, Hopping off, BDR

LIMIT : FCC15.207 QP  
FCC15.207 AV

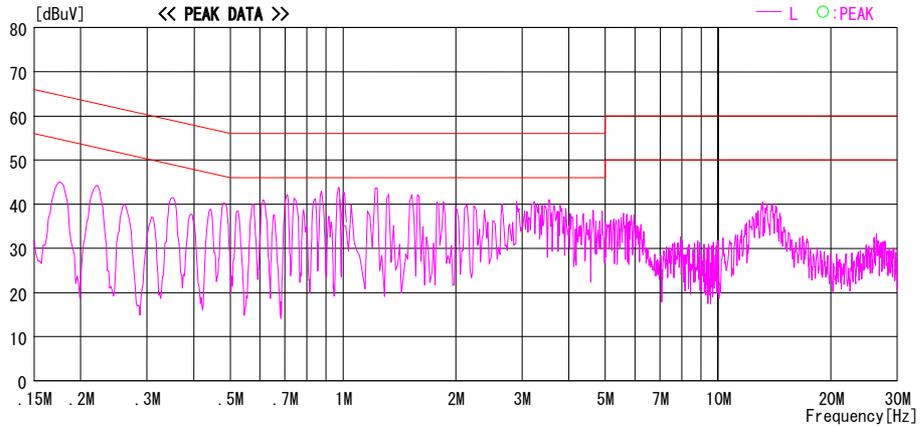
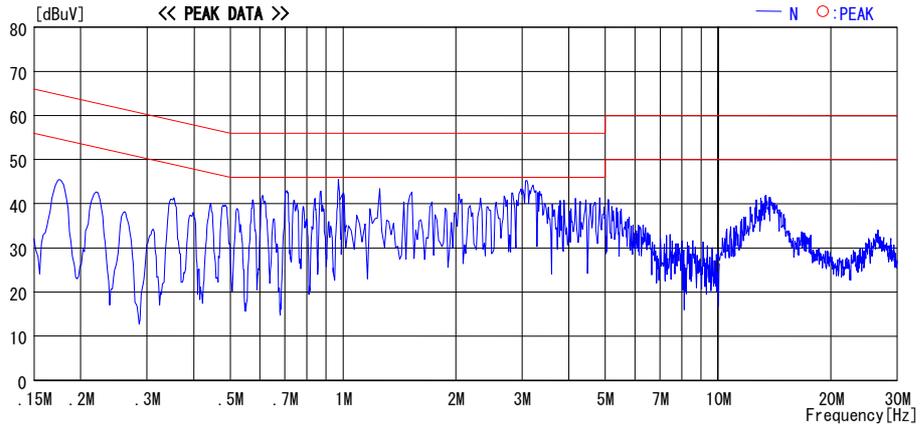


CHART: WITH FACTOR, Peak hold data. CALCULATION: RESULT [dBuV] = READING [dBuV] + C. F [dB] (LISN LOSS + CABLE LOSS)  
 Except for the above table : adequate margin data below the limits.

**Conducted Emission**  
**BDR, Tx, Ch: High**  
**DATA OF CONDUCTED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No. 4 Semi Anechoic Chamber  
 Date : 2008/12/07

Company	: SHARP CORPORATION	Report No.	: 29CE0264-HO-01
Kind of EUT	: W-CDMA / GSM Mobile Phone	Power	: DC 5V (AC Adapter: AC120V/60Hz)
Model No.	: PV300	Temp./Humi.	: 21deg. C / 30%
Serial No.	: P3-156	Engineer	: Kenichi Adachi

Mode / Remarks: Bluetooth Tx 2480MHz, Hopping off, BDR

LIMIT : FCC15.207 QP  
FCC15.207 AV

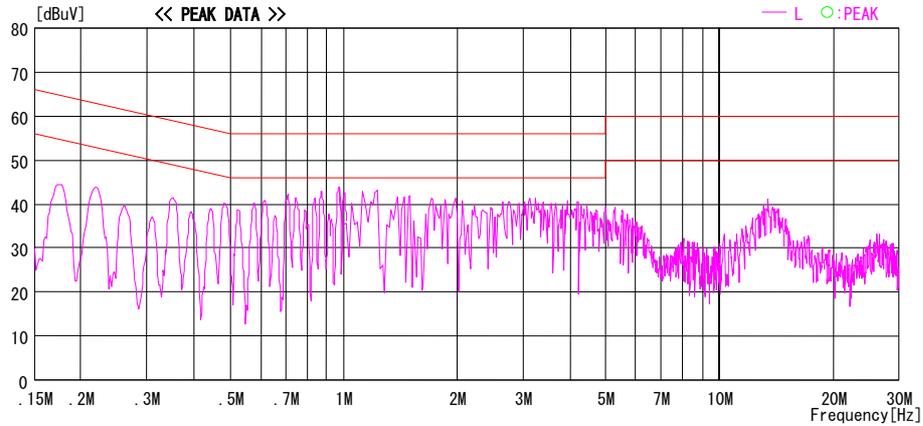
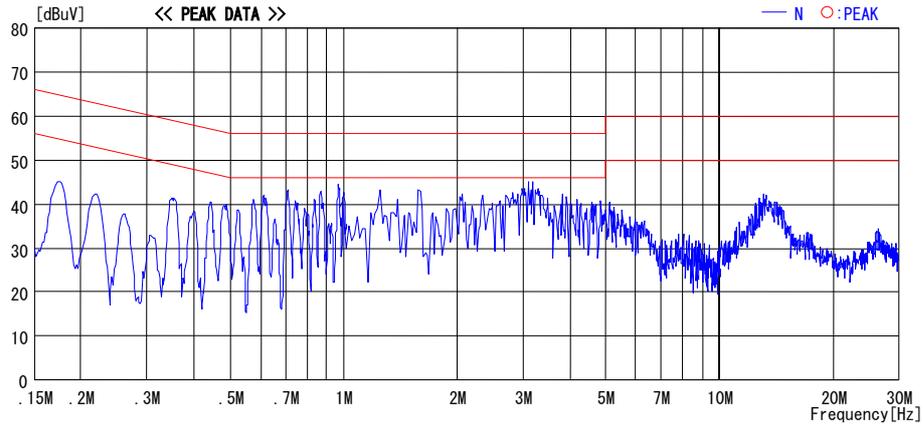


CHART: WITH FACTOR, Peak hold data. CALCURATION: RESULT [dBuV]=READING [dBuV]+C. F [dB] (LISN LOSS+CABLE LOSS)  
 Except for the above table : adequate margin data below the limits.

**Conducted Emission**  
**EDR, Tx, Ch: Low**  
**DATA OF CONDUCTED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No. 4 Semi Anechoic Chamber  
 Date : 2008/12/07

Company	: SHARP CORPORATION	Report No.	: 29CE0264-HO-01
Kind of EUT	: W-CDMA / GSM Mobile Phone	Power	: DC 5V (AC Adapter: AC120V/60Hz)
Model No.	: PV300	Temp./Humi.	: 21deg. C / 30%
Serial No.	: P3-156	Engineer	: Kenichi Adachi

Mode / Remarks: Bluetooth Tx 2402MHz, Hopping off, EDR

LIMIT : FCC15.207 QP  
FCC15.207 AV

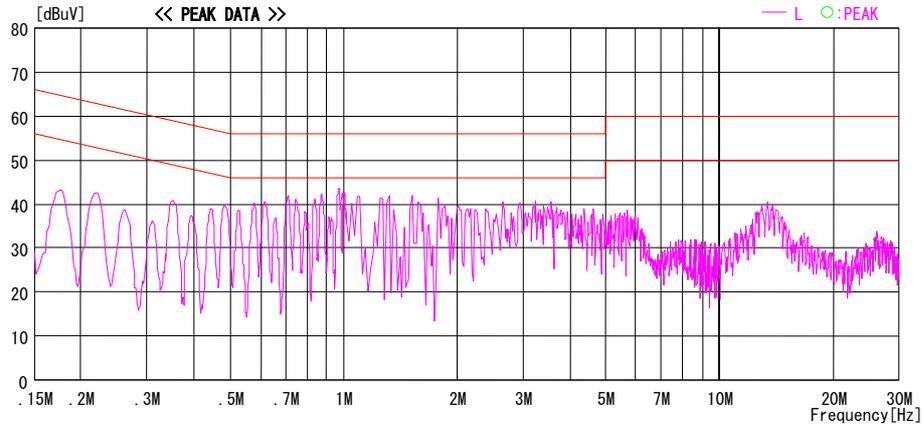
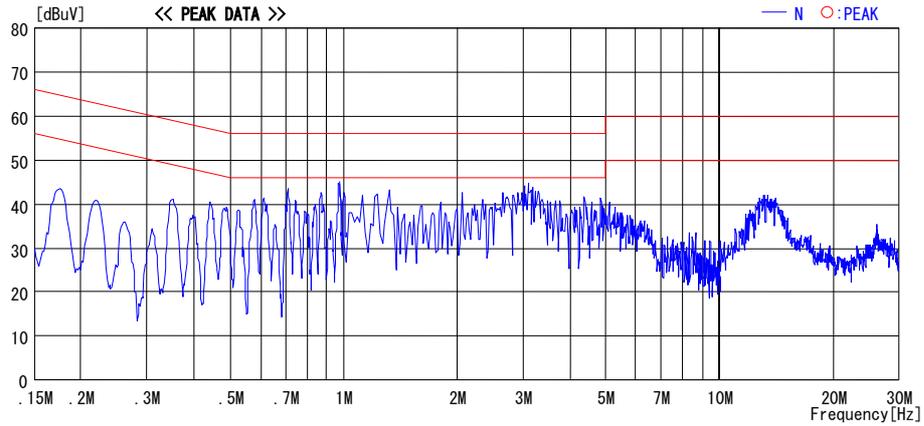


CHART: WITH FACTOR, Peak hold data. CALCURATION: RESULT [dBuV]=READING [dBuV]+C. F [dB] (LISN LOSS+CABLE LOSS)  
 Except for the above table : adequate margin data below the limits.

**Conducted Emission**  
**EDR, Tx, Ch: Mid**  
**DATA OF CONDUCTED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No. 4 Semi Anechoic Chamber  
 Date : 2008/12/07

Company	: SHARP CORPORATION	Report No.	: 29CE0264-HO-01
Kind of EUT	: W-CDMA / GSM Mobile Phone	Power	: DC 5V (AC Adapter: AC120V/60Hz)
Model No.	: PV300	Temp./Humi.	: 21deg. C / 30%
Serial No.	: P3-156	Engineer	: Kenichi Adachi

Mode / Remarks: Bluetooth Tx 2441MHz, Hopping off, EDR

LIMIT : FCC15.207 QP  
FCC15.207 AV

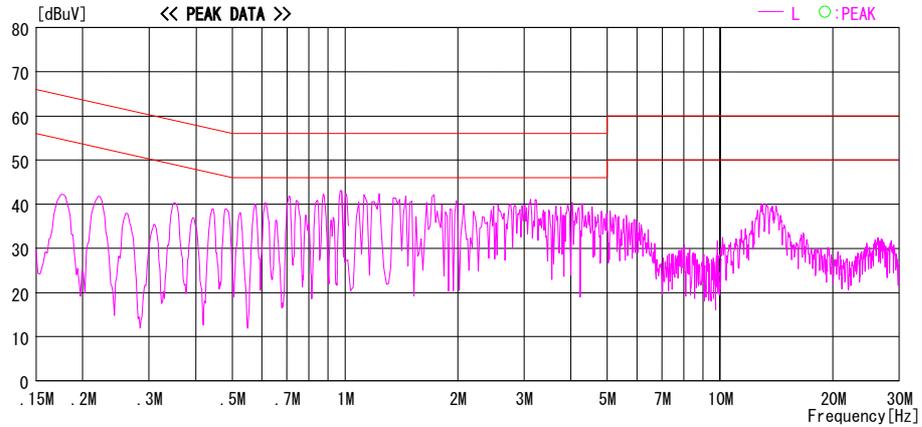
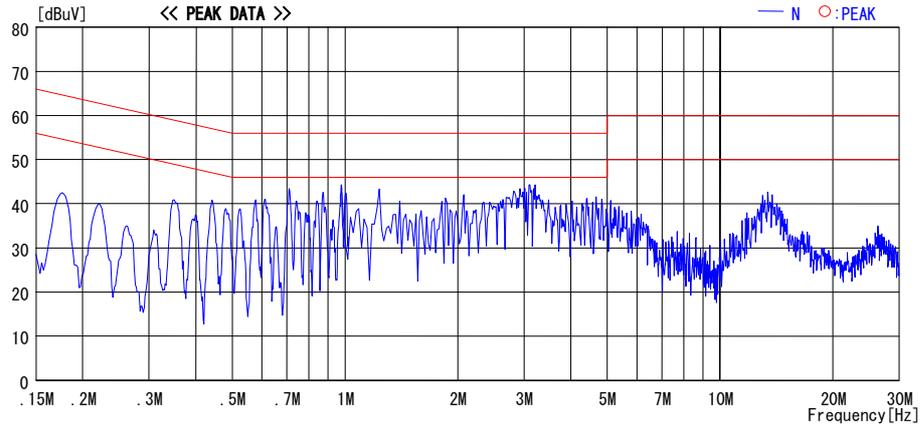


CHART: WITH FACTOR, Peak hold data. CALCULATION: RESULT [dBuV] = READING [dBuV] + C. F [dB] (LISN LOSS + CABLE LOSS)  
 Except for the above table : adequate margin data below the limits.

**Conducted Emission**  
**EDR, Tx, Ch: High**  
**DATA OF CONDUCTED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No. 4 Semi Anechoic Chamber  
 Date : 2008/12/07

Company	: SHARP CORPORATION	Report No.	: 29CE0264-HO-01
Kind of EUT	: W-CDMA / GSM Mobile Phone	Power	: DC 5V (AC Adapter: AC120V/60Hz)
Model No.	: PV300	Temp./Humi.	: 21deg. C / 30%
Serial No.	: P3-156	Engineer	: Kenichi Adachi

Mode / Remarks: Bluetooth Tx 2480MHz, Hopping off, EDR

LIMIT : FCC15.207 QP  
 FCC15.207 AV

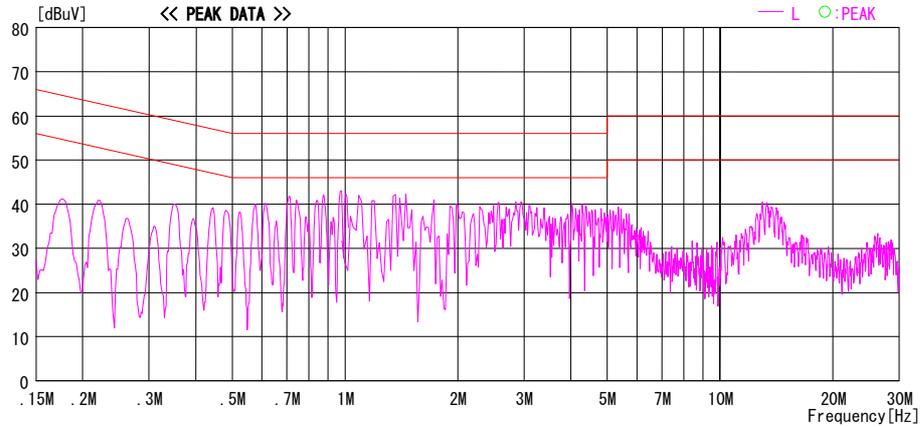
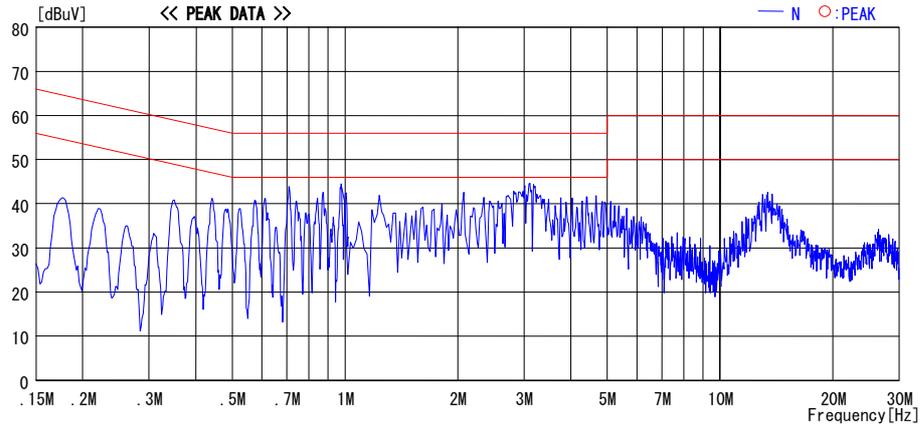


CHART: WITH FACTOR, Peak hold data. CALCURATION: RESULT[dBuV]=READING[dBuV]+C. F[dB] (LISN LOSS+CABLE LOSS)  
 Except for the above table : adequate margin data below the limits.

**Conducted Emission**  
**BDR, Rx, Ch: Mid**

**DATA OF CONDUCTED EMISSION TEST**

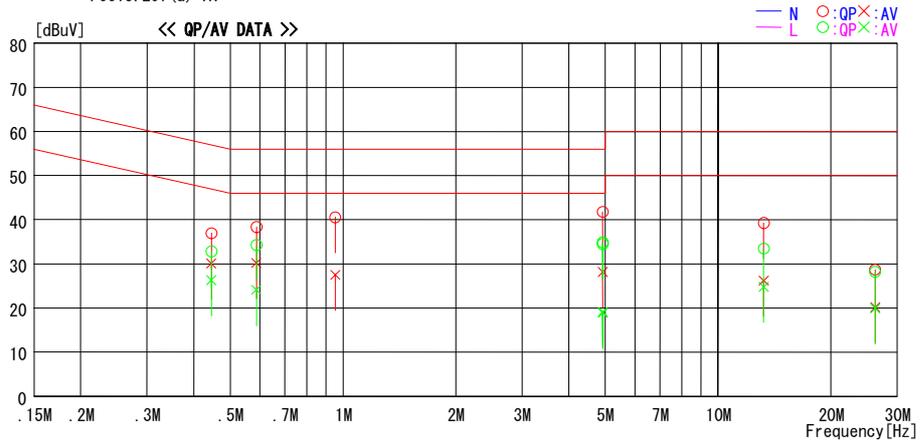
UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber  
Date : 2008/12/07

Company : SHARP CORPORATION  
Kind of EUT : W-CDMA / GSM Mobile Phone  
Model No. : PV300  
Serial No. : P3-156

Report No. : 29CE0264-HO-01  
Power : DC 5V (AC Adapter: AC120V/60Hz)  
Temp./Humi. : 21deg. C / 30%  
Engineer : Kenichi Adachi

Mode / Remarks : Bluetooth Rx 2441MHz, BDR

LIMIT : FCC15.207(a) QP  
FCC15.207(a) AV



Frequency [MHz]	Reading Level		Corr. Factor [dB]	Results		Limit		Margin		Phase
	QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dB]	AV [dB]	
0.44589	36.5	29.7	0.4	36.9	30.1	57.0	47.0	20.1	16.9	N
0.58768	38.0	29.8	0.4	38.4	30.2	56.0	46.0	17.6	15.8	N
0.95398	40.1	27.0	0.5	40.6	27.5	56.0	46.0	15.4	18.5	N
4.92567	40.5	26.9	1.3	41.8	28.2	56.0	46.0	14.2	17.8	N
13.22678	36.4	23.3	2.9	39.3	26.2	60.0	50.0	20.7	23.8	N
26.24128	23.0	14.5	5.7	28.7	20.2	60.0	50.0	31.3	29.8	N
0.44589	32.4	25.9	0.4	32.8	26.3	57.0	47.0	24.2	20.7	L
0.58764	33.9	23.7	0.4	34.3	24.1	56.0	46.0	21.7	21.9	L
4.92548	33.6	17.8	1.3	34.9	19.1	56.0	46.0	21.1	26.9	L
4.92580	33.2	17.6	1.3	34.5	18.9	56.0	46.0	21.5	27.1	L
13.22980	30.6	21.9	2.9	33.5	24.8	60.0	50.0	26.5	25.2	L
26.22460	22.5	14.2	5.7	28.2	19.9	60.0	50.0	31.8	30.1	L

CHART: WITH FACTOR, Peak hold data. CALCULATION: RESULT [dBuV]=READING [dBuV]+C. F [dB] (LISN LOSS+CABLE LOSS)  
Except for the above table : adequate margin data below the limits.

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**Conducted Emission**

**BDR, Rx, Ch: Mid**

**DATA OF CONDUCTED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber  
 Date : 2008/12/07

Company : SHARP CORPORATION  
 Kind of EUT : W-CDMA / GSM Mobile Phone  
 Model No. : PV300  
 Serial No. : P3-156

Report No. : 29CE0264-HO-01  
 Power : DC 5V (AC Adapter: AC120V/60Hz)  
 Temp./Humi. : 21deg. C / 30%  
 Engineer : Kenichi Adachi

Mode / Remarks: Bluetooth Rx 2441MHz, BDR

LIMIT : FCC15.207(a) QP  
 FCC15.207(a) AV

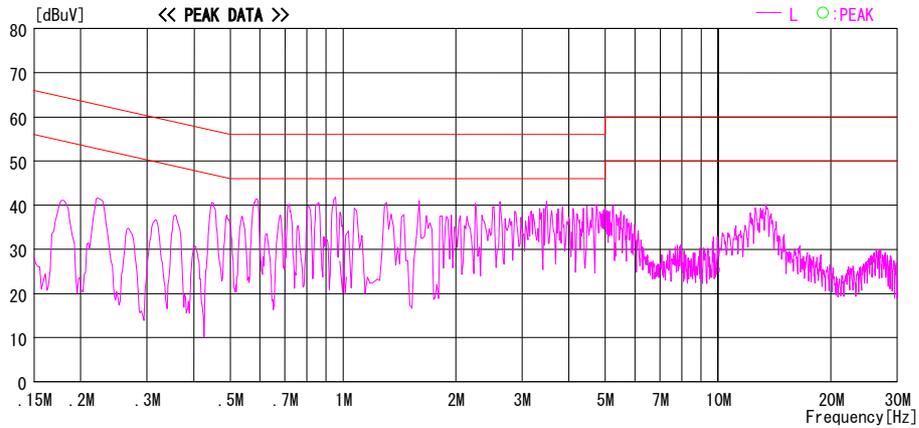
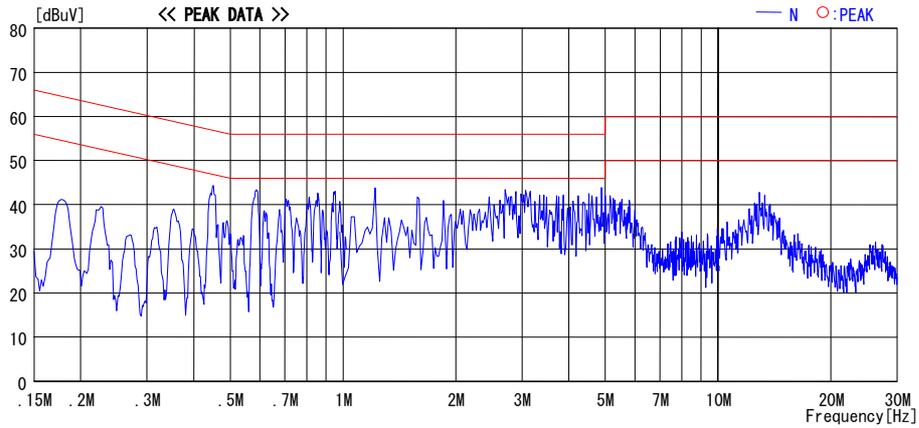


CHART: WITH FACTOR, Peak hold data. CALCULATION: RESULT [dBuV]=READING [dBuV]+C. F [dB] (LISN LOSS+CABLE LOSS)  
 Except for the above table : adequate margin data below the limits.

**Conducted Emission**  
**EDR, Rx, Ch: Mid**  
**DATA OF CONDUCTED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No. 4 Semi Anechoic Chamber  
 Date : 2008/12/07

Company : SHARP CORPORATION  
 Kind of EUT : W-CDMA / GSM Mobile Phone  
 Model No. : PV300  
 Serial No. : P3-156

Report No. : 29CE0264-HO-01  
 Power : DC 5V (AC Adapter: AC120V/60Hz)  
 Temp./Humi. : 21deg. C / 30%  
 Engineer : Kenichi Adachi

Mode / Remarks: Bluetooth Rx 2441MHz, EDR

LIMIT : FCC15.207(a) QP  
 FCC15.207(a) AV

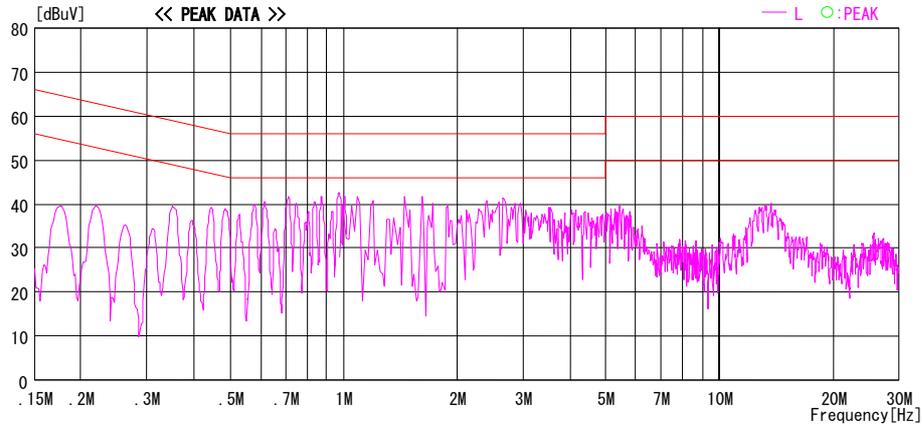
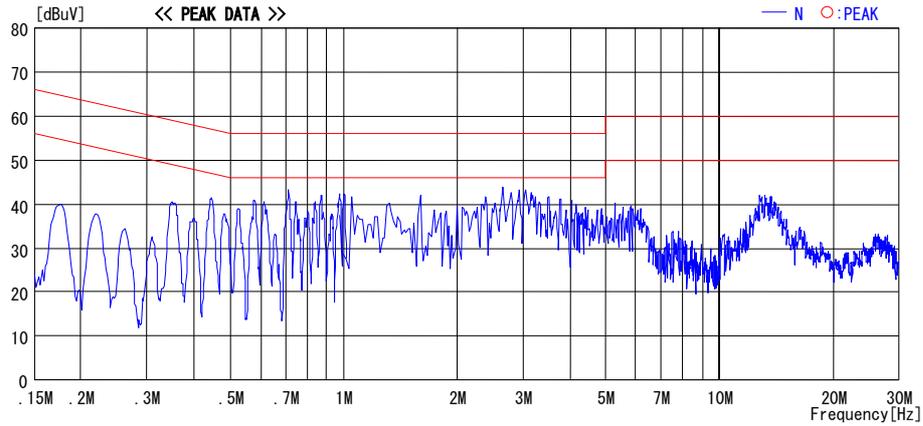


CHART: WITH FACTOR, Peak hold data. CALCURATION: RESULT [dBuV]=READING [dBuV]+C. F [dB] (LISN LOSS+CABLE LOSS)  
 Except for the above table : adequate margin data below the limits.

### Carrier Frequency Separation

		UL Japan, Inc	
		Head Office EMC Lab. No.7 shielded room	
Company	SHARP CORPORATION	Regulation	FCC Part15 Subpart C 15.247(a)(1) / RSS-210 A8.1(b)
Equipment	W-CDMA / GSM Mobile Phone	Test Distance	-
Model	PV300	Date	12/12/2008      12/15/2008
S/N	P3-016	Temperature	23 deg.C.      20 deg.C.
Power	DC 5V (AC Adapter: AC 120V/60Hz)	Humidity	36 %      32 %
Mode	Bluetooth Tx Hopping On / Inquiry	Engineer	Norihisa Hashimoto      Tomohisa Nakagawa

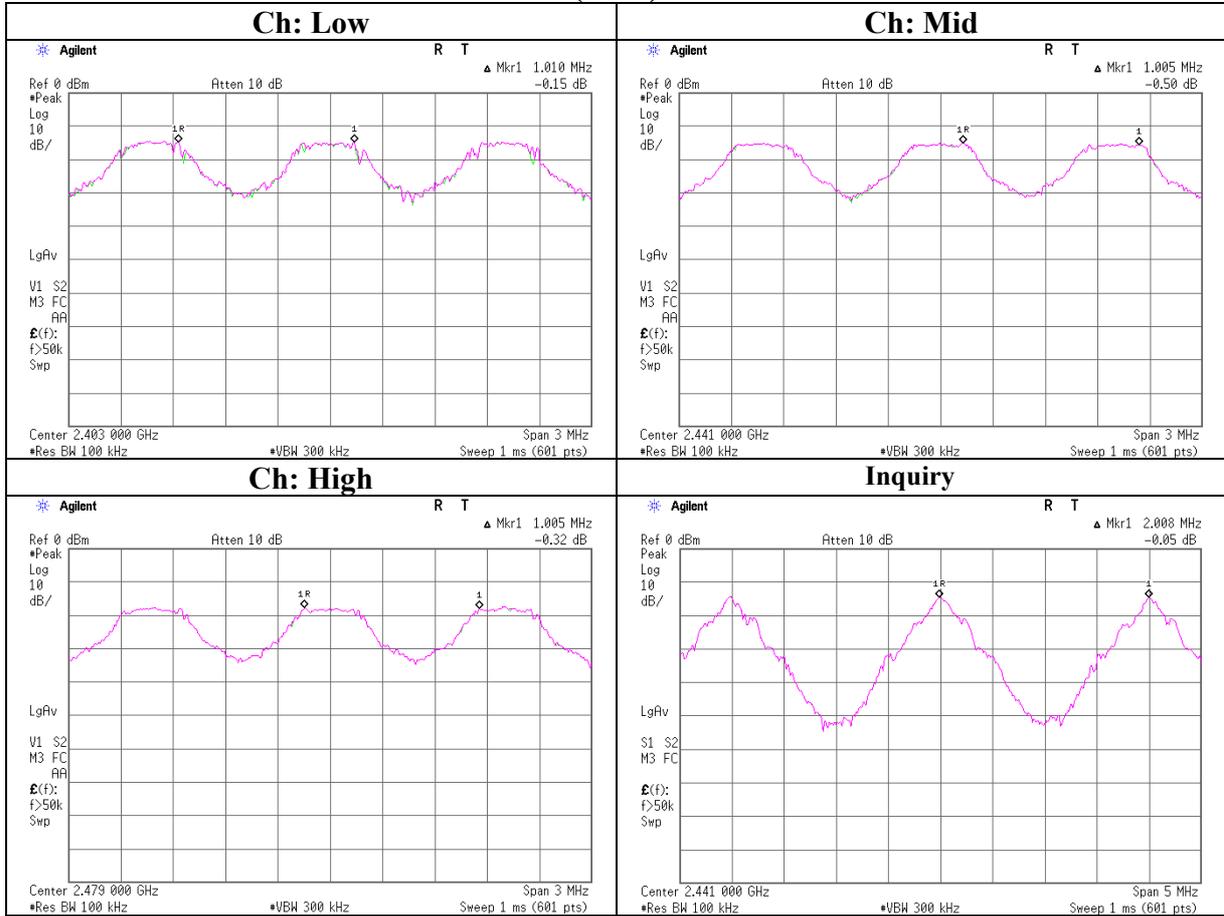
**[ BDR ]**

Ch	Freq. [MHz]	Channel separation [MHz]	Limit
Low	2402.0	1.010	> 0.641 [MHz] (two-thirds of 20dB Bandwidth ( 0.962 [MHz] )) or 25[kHz] (whichever is grater)
Mid	2441.0	1.005	> 0.641 [MHz] (two-thirds of 20dB Bandwidth ( 0.961 [MHz] )) or 25[kHz] (whichever is grater)
High	2480.0	1.005	> 0.643 [MHz] (two-thirds of 20dB Bandwidth ( 0.964 [MHz] )) or 25[kHz] (whichever is grater)
Inquiry	2441.0	2.008	> 0.536 [MHz] (two-thirds of 20dB Bandwidth ( 0.804 [MHz] )) or 25[kHz] (whichever is grater)

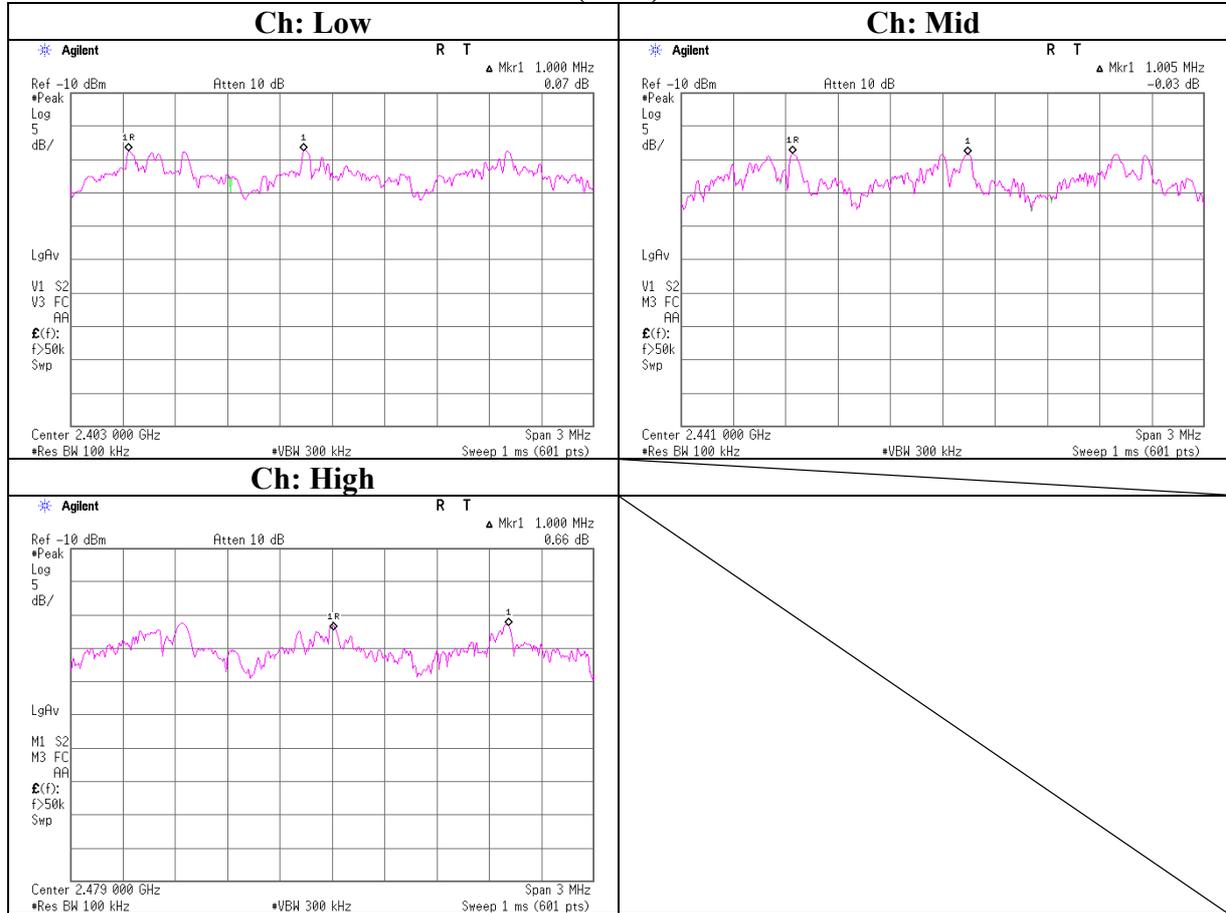
**[ EDR ]**

Ch	Freq. [MHz]	Channel separation [MHz]	Limit
Low	2402.0	1.000	> 0.861 [MHz] (two-thirds of 20dB Bandwidth ( 1.292 [MHz] )) or 25[kHz] (whichever is grater)
Mid	2441.0	1.005	> 0.856 [MHz] (two-thirds of 20dB Bandwidth ( 1.284 [MHz] )) or 25[kHz] (whichever is grater)
High	2480.0	1.000	> 0.855 [MHz] (two-thirds of 20dB Bandwidth ( 1.282 [MHz] )) or 25[kHz] (whichever is grater)

**Carrier Frequency Separation  
(BDR)**



**Carrier Frequency Separation  
(EDR)**



### 20dB Bandwidth

		UL Japan, Inc	
Company	SHARP CORPORATION	Head Office EMC Lab. No.7 shielded room	
Equipment	W-CDMA / GSM Mobile Phone	Regulation	FCC Part15 Subpart C 15.247(a)(1) / RSS-210 A8.1(a)
Model	PV300	Test Distance	-
S/N	P3-016	Date	12/12/2008      12/15/2008
Power	DC 5V (AC Adapter: AC 120V/60Hz)	Temperature	23 deg.C.      20 deg.C.
Mode	Bluetooth Tx Hopping off / Inquiry	Humidity	36 %      32 %
		Engineer	Norihisa Hashimoto      Tomohisa Nakagawa

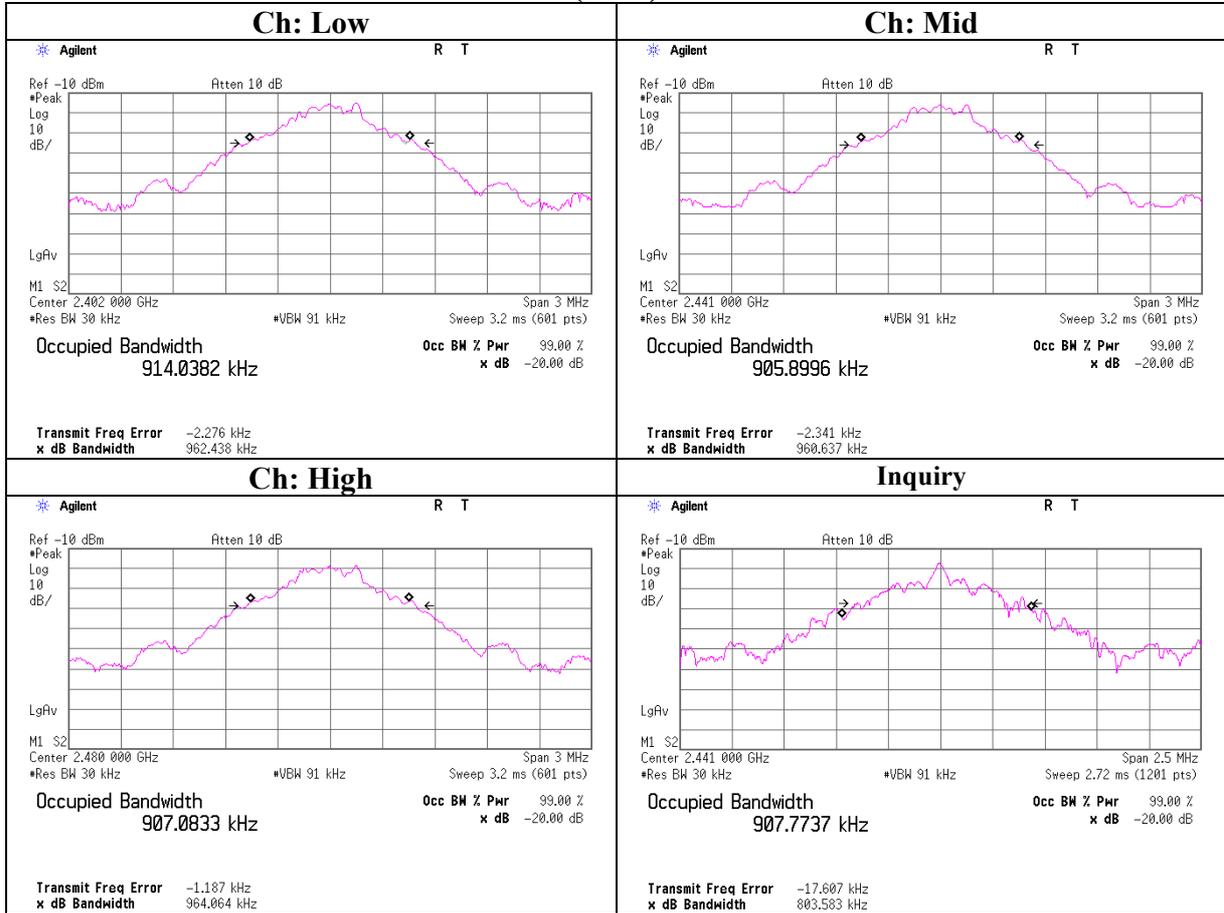
**[ BDR ]**

Ch	Freq.	20dB Bandwidth	Limit
	[MHz]	[MHz]	[MHz]
Low	2402.0	0.962	-
Mid	2441.0	0.961	-
High	2480.0	0.964	-
Inquiry	2441.0	0.804	-

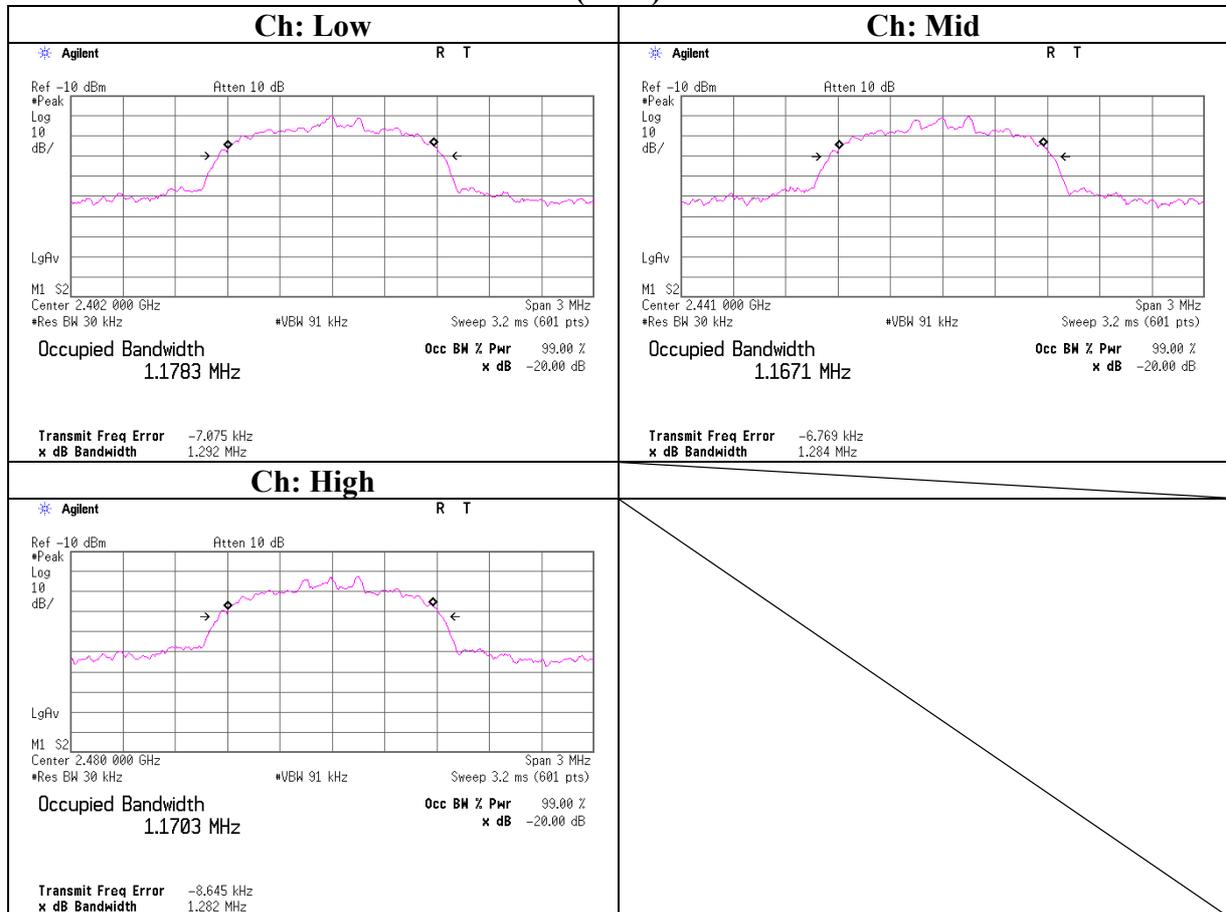
**[ EDR ]**

Ch	Freq.	20dB Bandwidth	Limit
	[MHz]	[MHz]	[MHz]
Low	2402.0	1.292	-
Mid	2441.0	1.284	-
High	2480.0	1.282	-

**20dB Bandwidth  
(BDR)**



**20dB Bandwidth  
(EDR)**



### Number of Hopping Frequency

	UL Japan, Inc.	
	Head Office EMC Lab. No.7 Shielded room	
Company	SHARP CORPORATION	Regulation
Equipment	W-CDMA / GSM Mobile Phone	Test Distance
Model	PV300	Date
S/N	P3-016	Temperature
Power	DC 5V (AC Adapter: AC 120V/60Hz)	Humidity
Mode	Bluetooth Tx Hopping On / Inquiry	Engineer
		FCC Part15 Subpart C 15.247(a)(1)(iii) / RSS-210 A8.1(d)
		-
		12/12/2008      12/15/2008
		23 deg.C.      20 deg.C.
		36 %      32 %
		Noriyoshi Hashimoto      Tomohisa Nakagawa

**[ BDR ]**

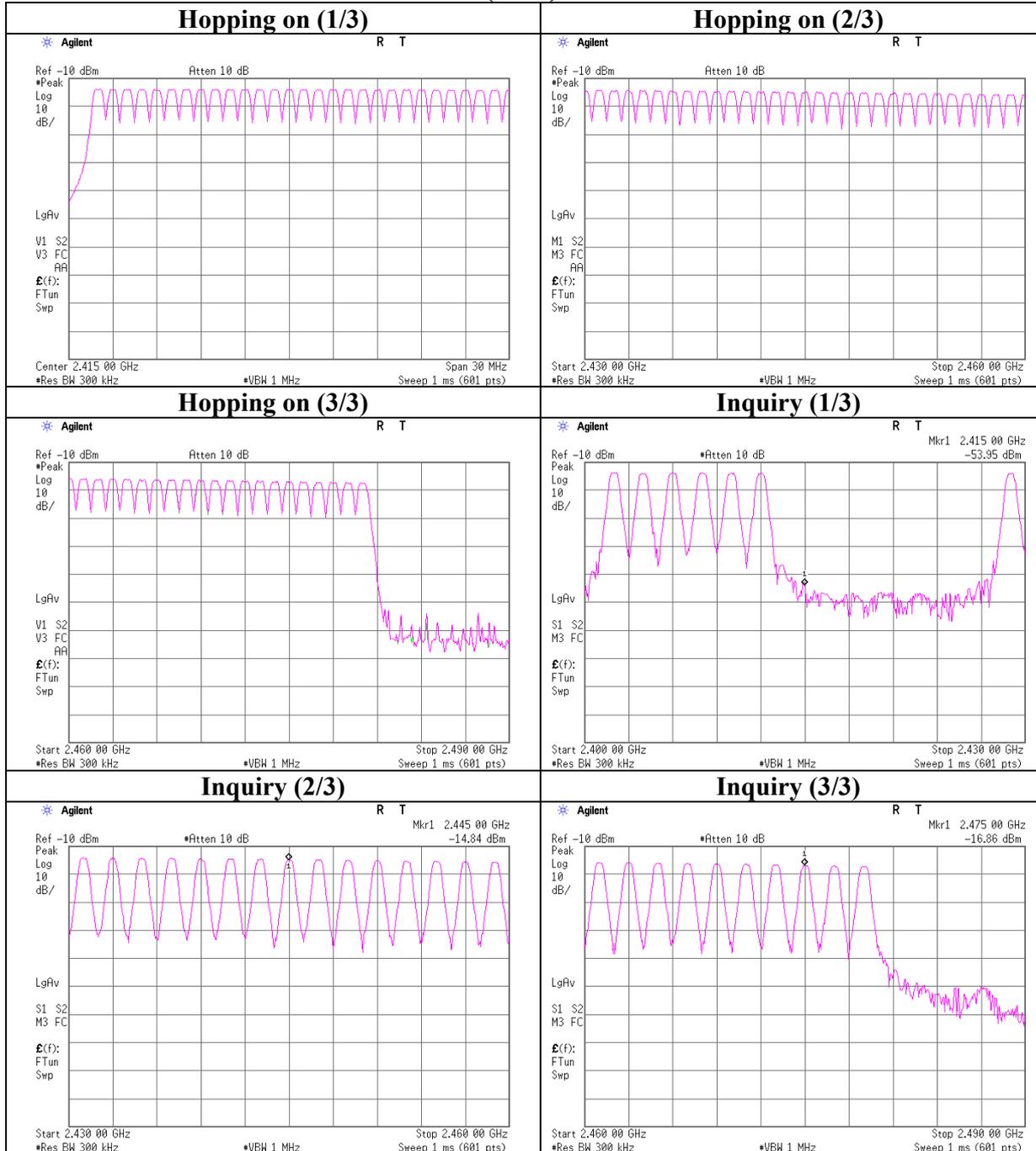
Mode	Number of channel	Limit
	[times]	[times]
Tx(Hoppng on)	79	≥ 15

**[ EDR ]**

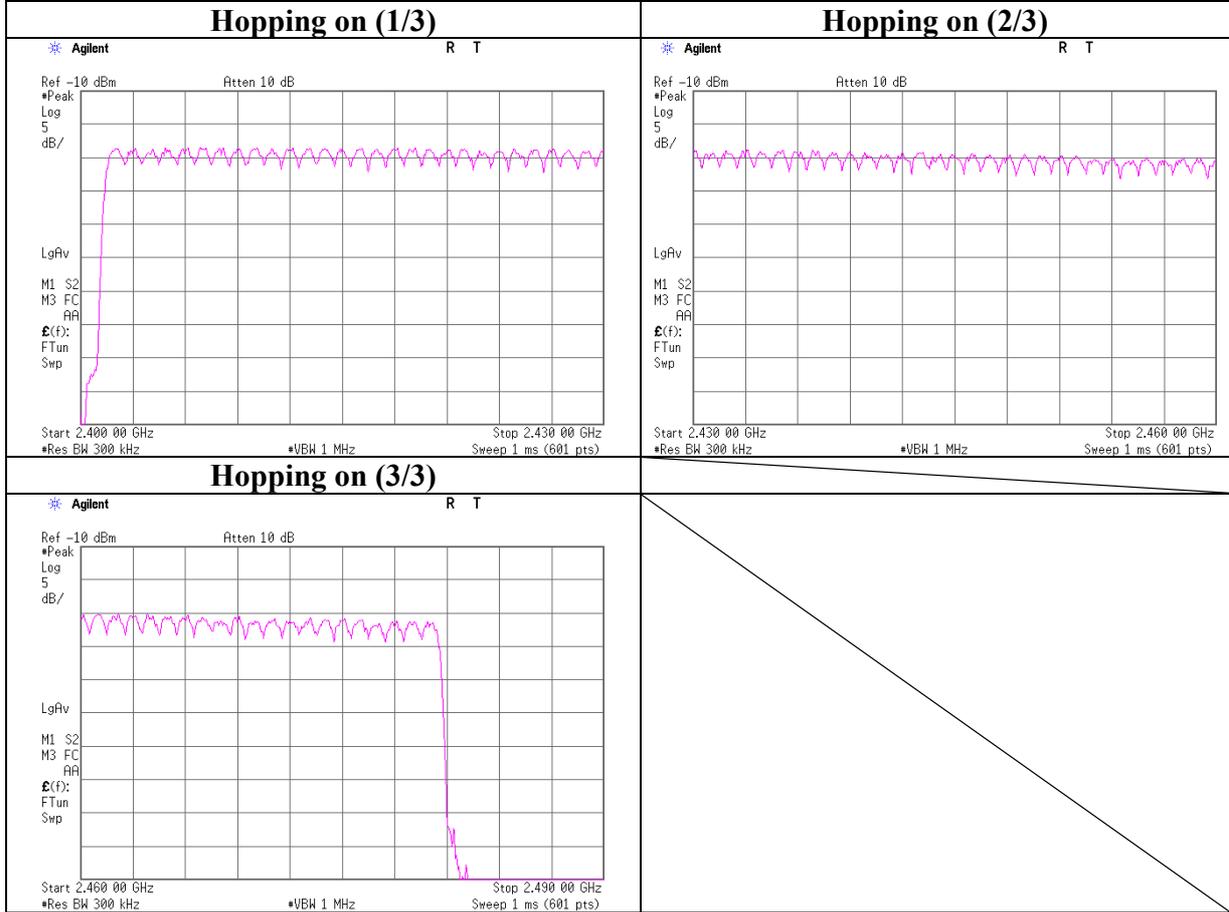
Mode	Number of channel	Limit
	[times]	[times]
Tx(Hoppng on)	79	≥ 15

Mode	Number of channel	Limit
	[times]	[times]
Inquiry	32	≥ 15

**Number of Hopping Frequency  
(BDR)**



**Number of Hopping Frequency  
(EDR)**



### Dwell time

UL Japan, Inc.

Head Office EMC Lab. No.7 Shielded room

Company	SHARP CORPORATION	Regulation	FCC Part15 Subpart C 15.247(a)(1)(iii) / RSS-210 A8.1(d)
Equipment	W-CDMA / GSM Mobile Phone	Test Distance	-
Model	PV300	Date	12/12/2008                      12/15/2008
S/N	P3-016	Temperature	23 deg.C.                      20 deg.C.
Power	DC 5V (AC Adapter: AC 120V/60Hz)	Humidity	36 %                      32 %
Mode	Bluetooth Tx Hopping On / Inquiry	Engineer	Norihisa Hashimoto              Tomohisa Nakagawa

**[ BDR ]**

Mode	Number of transmission in a 31.6(79 Hopping x 0.4) / 12.8(32 Hopping x 0.4)second period	Length of transmission time [msec]	Result [msec]	Limit [msec]
DH1	50 times / 5 sec. x 31.6 sec. = 316 times	0.404	128	400
DH3	18 times / 5 sec. x 31.6 sec. = 113 times	1.662	188	400
DH5	11 times / 5 sec. x 31.6 sec. = 69 times	2.911	201	400
Inquiry	101 times / 1 sec. x 12.8 sec. = 1293 times	0.107	139	400

\*Dwell Factor calculation for Spurious emissions : =  $20 \times \log \left( \frac{2.911 \text{ [ms]} }{100 \text{ [msec]}} \right) = -30.7 \text{ dB}$

\*The number of average transmission per 5 seconds:

DH3      (18+19+16+18+18) / 5 = 17.8  
DH5      (11+9+14+9+11) / 5 = 10.8

**[ EDR ]**

Mode	Number of transmission in a 31.6(79 Hopping x 0.4) / 12.8(32 Hopping x 0.4)second period	Length of transmission time [msec]	Result [msec]	Limit [msec]
DH1	50 times / 5 sec. x 31.6 sec. = 316 times	0.406	128	400
DH3	18 times / 5 sec. x 31.6 sec. = 114 times	1.659	189	400
DH5	11 times / 5 sec. x 31.6 sec. = 73 times	2.910	212	400

\*Dwell Factor calculation for Spurious emissions : =  $20 \times \log \left( \frac{2.910 \text{ [ms]} }{100 \text{ [msec]}} \right) = -30.7 \text{ dB}$

\*The number of average transmission per 5 seconds:

3DH3    (18+17+17+19+19) / 5 = 18  
3DH5    (11+10+10+14+12) / 5 = 11.4

**UL Japan, Inc.**

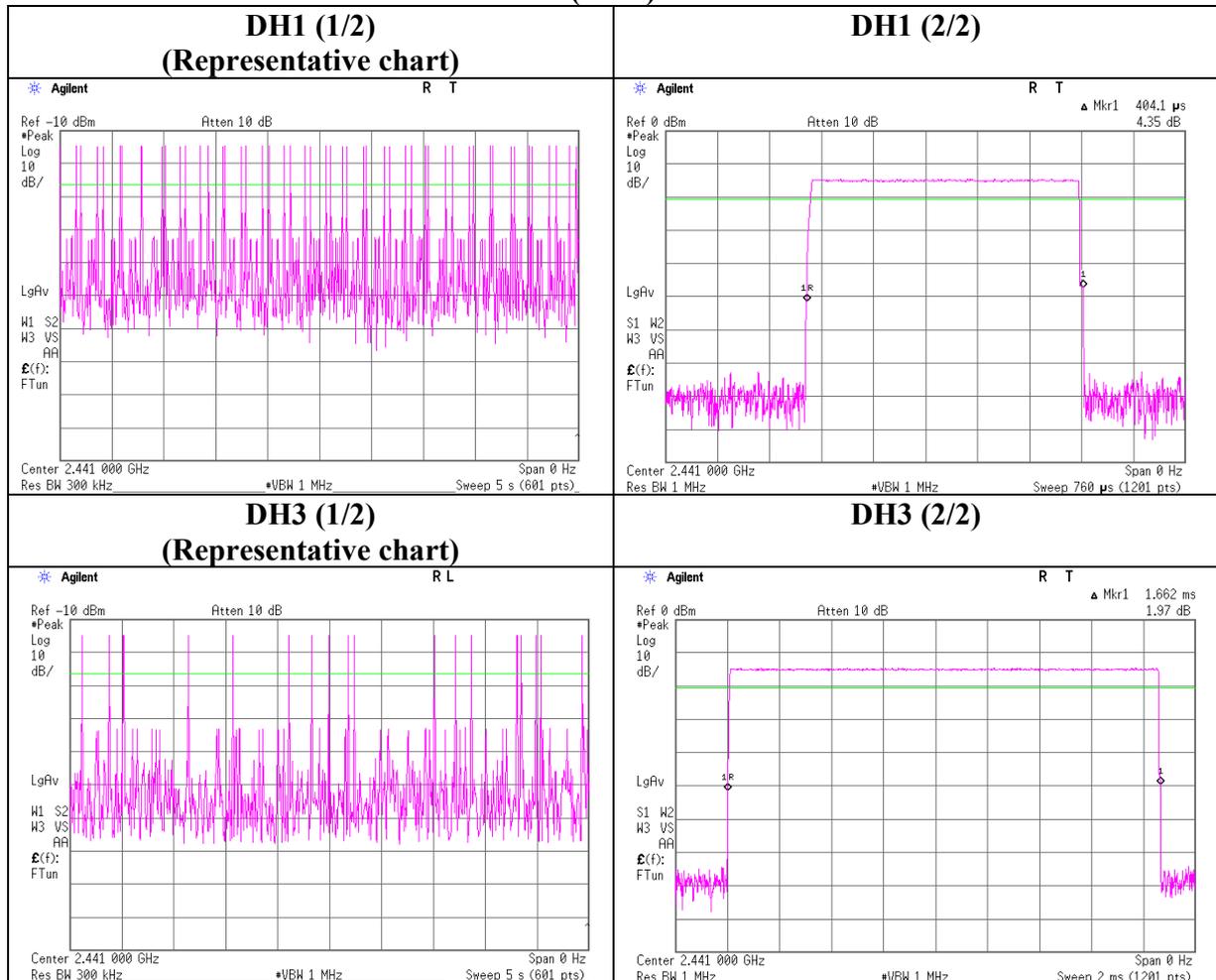
**Head Office EMC Lab.**

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

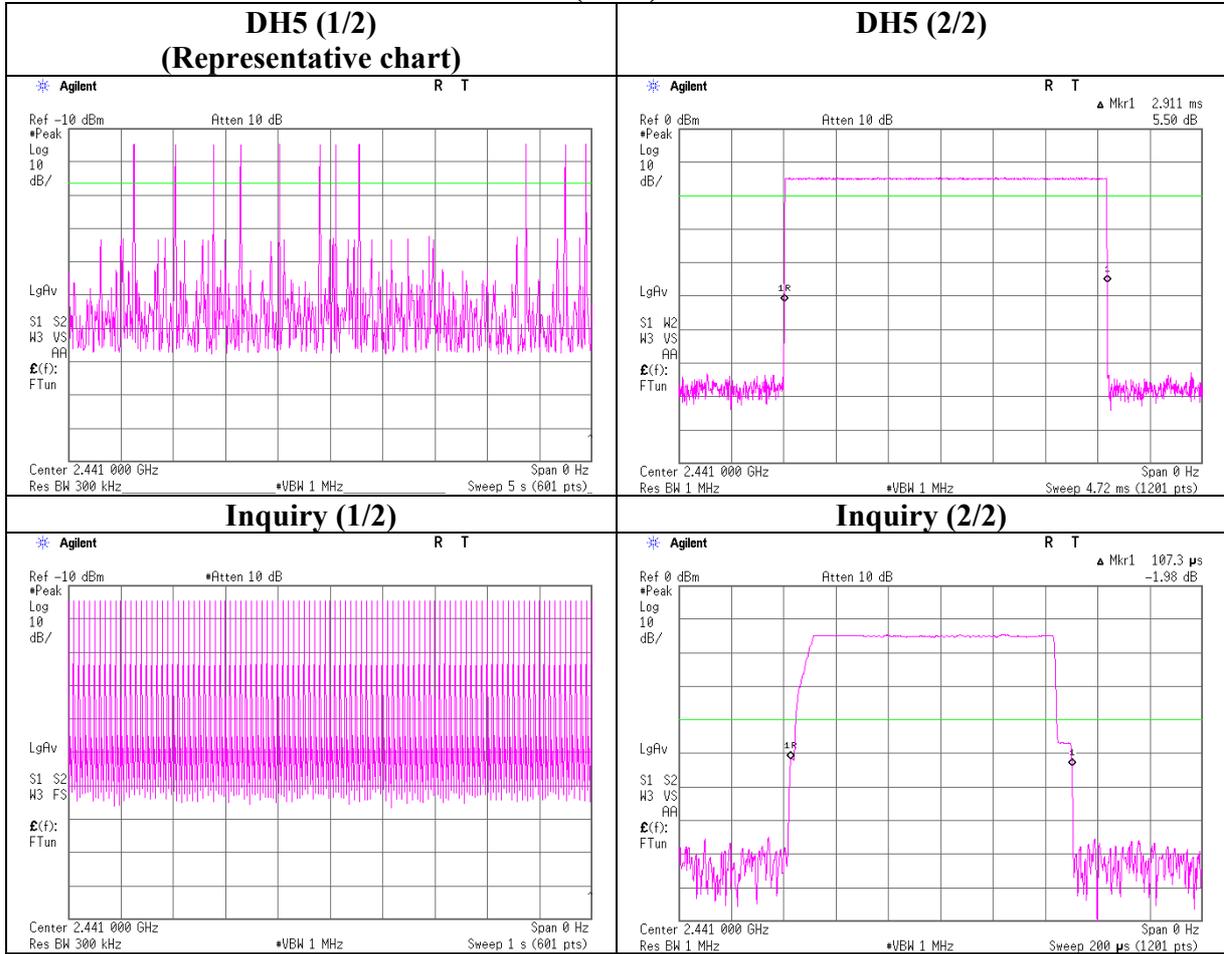
Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

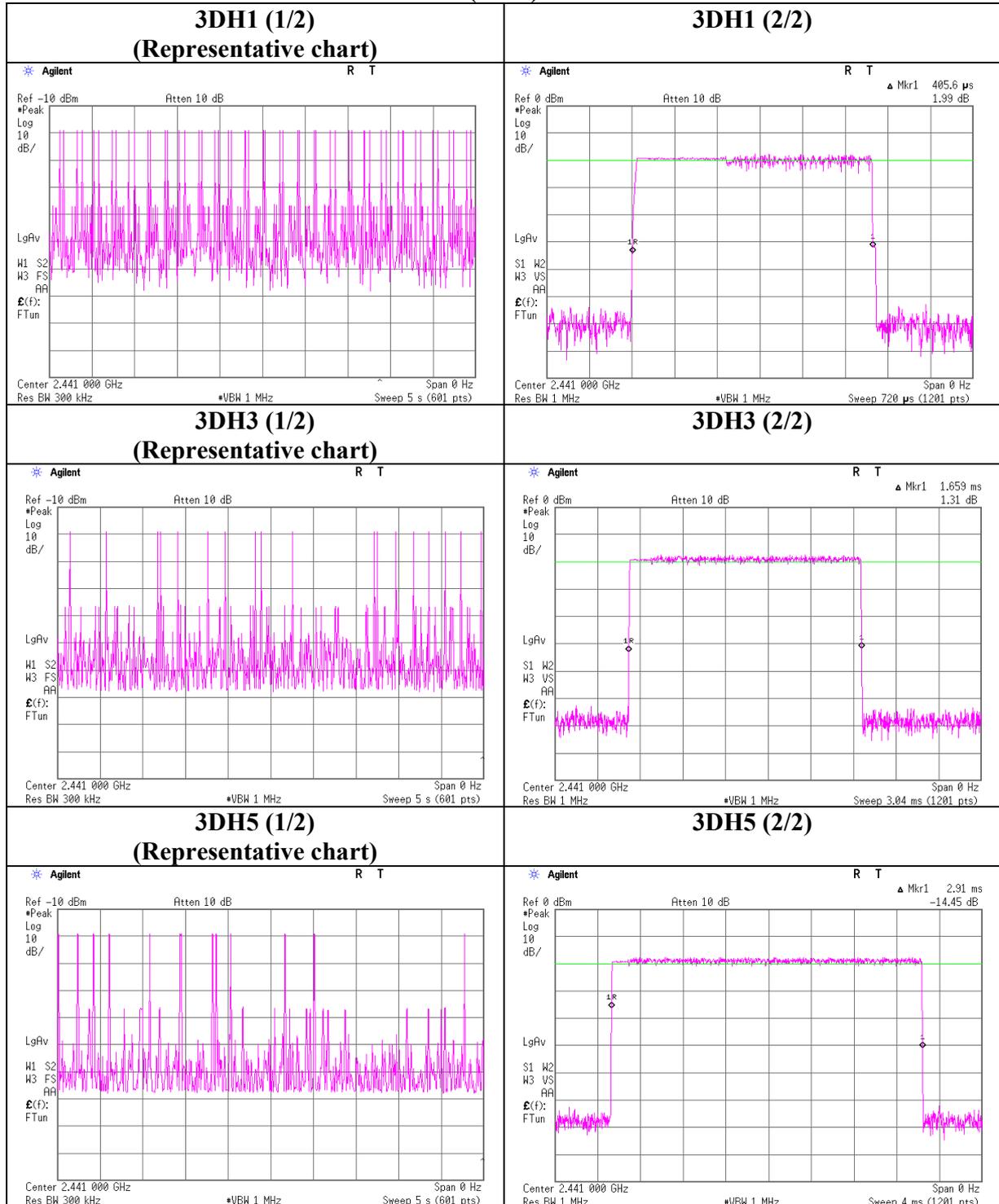
**Dwell time  
(BDR)**



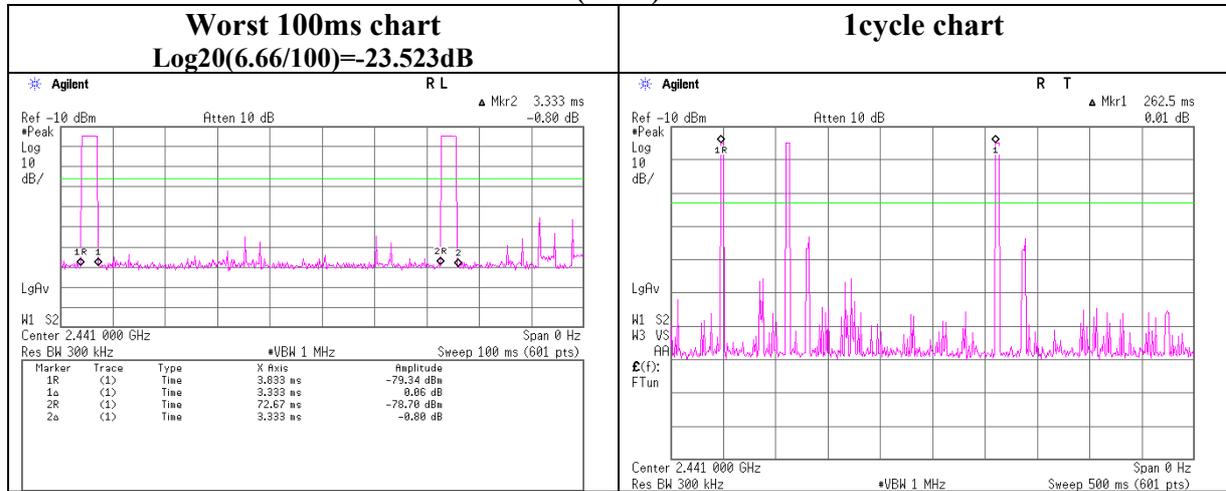
**Dwell time  
(BDR)**



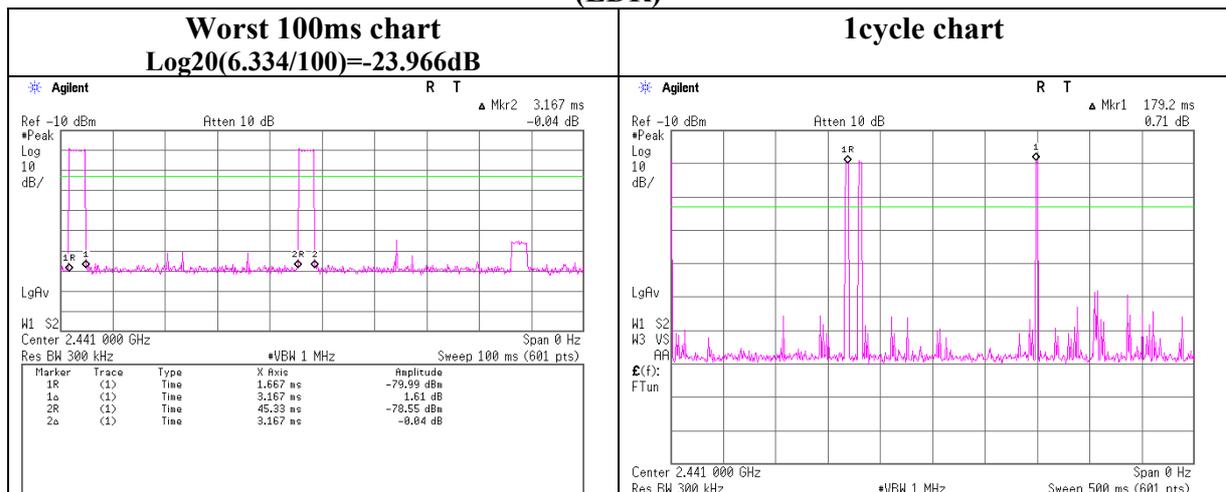
**Dwell time**  
**(EDR)**



**Dwell time factor chart (Reference)**  
**(BDR)**



**(EDR)**



**Maximum Peak Output Power**

		UL Japan, Inc.	
		Head Office EMC Lab. No.7 Shielded room	
Company	SHARP CORPORATION	Regulation	FCC Part15 Subpart C 15.247(b)(1) / RSS-210 A8.1(d)
Equipment	W-CDMA / GSM Mobile Phone	Test Distance	-
Model	PV300	Date	12/12/2008                      12/15/2008
S/N	P3-016	Temperature	23 deg.C.                      20 deg.C.
Power	DC 5V	Humidity	36 %                      32 %
	(AC Adapter: AC 120V/60Hz)		
Mode	Bluetooth Tx Hopping off / Inquiry	Engineer	Norihisa Hashimoto      Tomohisa Nakagawa

**[ BDR ]**

Ch	Freq. [MHz]	P/M (PK) Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin [dB]
					[dBm]	[mW]	[dBm]	[mW]	
Low	2402.0	-13.81	5.05	9.98	1.22	1.32	20.97	125	19.75
Mid	2441.0	-14.37	5.06	9.98	0.67	1.17	20.97	125	20.30
High	2480.0	-16.84	5.08	9.98	-1.78	0.66	20.97	125	22.75
Inquiry	2441.0	-15.10	5.06	9.98	-0.06	0.99	20.97	125	21.03

**[ EDR ]**

Ch	Freq. [MHz]	P/M (PK) Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin [dB]
					[dBm]	[mW]	[dBm]	[mW]	
Low	2402.0	-16.29	5.05	9.98	-1.26	0.75	20.97	125	22.23
Mid	2441.0	-16.76	5.06	9.98	-1.72	0.67	20.97	125	22.69
High	2480.0	-18.77	5.08	9.98	-3.71	0.43	20.97	125	24.68

Sample Calculation:

Result = Reading + Cable Loss (Including customer's cable loss)+ Attenuator

**UL Japan, Inc.**

**Head Office EMC Lab.**

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

**Radiated Spurious Emission (below 1GHz)**  
**BDR, Tx, Ch: Low**

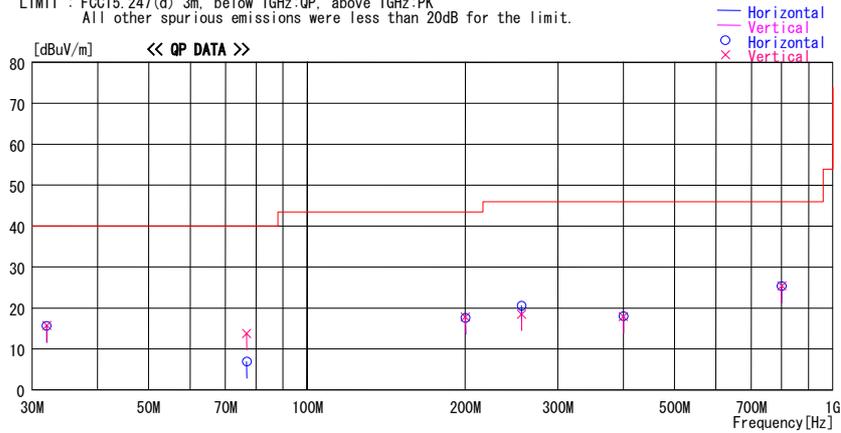
**DATA OF RADIATED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber  
Date : 2008/12/06

Company : SHARP CORPORATION Report No. : 29CE0264-HO-01  
Kind of EUT : W-CDMA / GSM Mobile Phone Power : DC 5V (AC Adapter: AC120V/60Hz)  
Model No. : PV300 Temp./Humi. : 24deg. C. / 41%  
Serial No. : P3-156 Engineer : Takahiro Hatakeda

Mode / Remarks : Bluetooth Tx 2402MHz, Hopping off, DH5 / Max axis (H:Z-axis V:Z-axis)

LIMIT : FCC15.247(d) 3m, below 1GHz:QP, above 1GHz:PK  
All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
			Factor [dB/m]	Gain [dB]						
32.000	22.9	QP	17.8	-25.0	15.7	0	100	Vert.	40.0	24.3
32.000	22.9	QP	17.8	-25.0	15.7	163	300	Hori.	40.0	24.3
76.801	24.8	QP	6.4	-24.2	7.0	263	219	Hori.	40.0	33.0
76.801	31.6	QP	6.4	-24.2	13.8	254	100	Vert.	40.0	26.2
200.220	24.4	QP	16.2	-23.0	17.6	0	129	Hori.	43.5	25.9
200.220	24.6	QP	16.2	-23.0	17.8	41	100	Vert.	43.5	25.7
256.000	24.0	QP	16.9	-22.4	18.5	0	100	Vert.	46.0	27.5
256.000	26.0	QP	16.9	-22.4	20.5	351	128	Hori.	46.0	25.5
400.000	22.0	QP	17.3	-21.3	18.0	158	100	Hori.	46.0	28.0
400.000	21.9	QP	17.3	-21.3	17.9	0	100	Vert.	46.0	28.1
800.000	22.2	QP	21.8	-18.6	25.4	0	100	Hori.	46.0	20.6
800.000	22.2	QP	21.8	-18.6	25.4	63	100	Vert.	46.0	20.6

CHART: WITH FACTOR ANT TYPE: -30MHz: LOOP, 30-300MHz: BICONICAL, 300MHz-1000MHz: LOGPERIODIC, 1000MHz-: HORN  
CALCULATION: RESULT = READING + ANT FACTOR + LOSS (CABLE+ATTEN.) - GAIN (AMP)

\*The test result is round off to one or two decimal places, so some differences might be observed.

**Radiated Spurious Emission (below 1GHz)**  
**BDR, Tx, Ch: Mid**

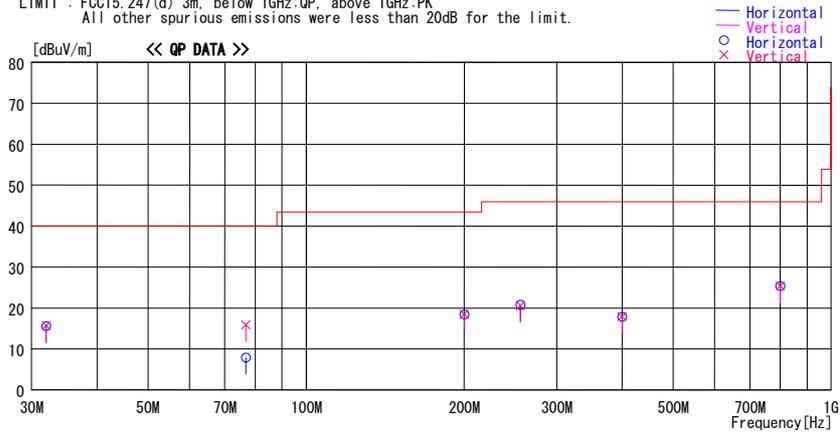
**DATA OF RADIATED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber  
Date : 2008/12/06

Company : SHARP CORPORATION  
Kind of EUT : W-CDMA / GSM Mobile Phone  
Model No. : PV300  
Serial No. : P3-156  
Report No. : 29CE0264-HO-01  
Power : DC 5V (AC Adapter: AC120V/60Hz)  
Temp./Humi. : 24deg. C / 41%  
Engineer : Takahiro Hatakeda

Mode / Remarks : Bluetooth Tx 2441MHz, Hopping off, DH5 / Max axis (H:Z-axis V:Z-axis)

LIMIT : FCC15.247(d) 3m, below 1GHz:QP, above 1GHz:PK  
All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
			Factor [dB/m]	Gain [dB]						
32.000	22.9	QP	17.8	-25.0	15.7	0	100	Vert.	40.0	24.3
32.000	22.8	QP	17.8	-25.0	15.6	0	300	Hori.	40.0	24.4
76.805	25.7	QP	6.4	-24.2	7.9	233	233	Hori.	40.0	32.1
76.805	33.7	QP	6.4	-24.2	15.9	124	100	Vert.	40.0	24.1
200.218	25.2	QP	16.2	-23.0	18.4	0	159	Hori.	43.5	25.1
200.218	25.3	QP	16.2	-23.0	18.5	32	100	Vert.	43.5	25.0
256.003	26.1	QP	16.9	-22.4	20.6	203	248	Vert.	46.0	25.4
256.003	26.3	QP	16.9	-22.4	20.8	139	139	Hori.	46.0	25.2
400.000	21.9	QP	17.3	-21.3	17.9	0	100	Hori.	46.0	28.1
400.000	21.9	QP	17.3	-21.3	17.9	0	100	Vert.	46.0	28.1
800.000	22.2	QP	21.8	-18.6	25.4	0	100	Hori.	46.0	20.6
800.000	22.2	QP	21.8	-18.6	25.4	0	100	Vert.	46.0	20.6

CHART: WITH FACTOR ANT TYPE: -30MHz: LOOP, 30-300MHz: BICONICAL, 300MHz-1000MHz: LOGPERIODIC, 1000MHz-: HORN  
CALCULATION: RESULT = READING + ANT FACTOR + LOSS (CABLE+ATTEN.) - GAIN (AMP)

\*The test result is round off to one or two decimal places, so some differences might be observed.

**Radiated Spurious Emission (below 1GHz)**  
**BDR, Tx, Ch: High**

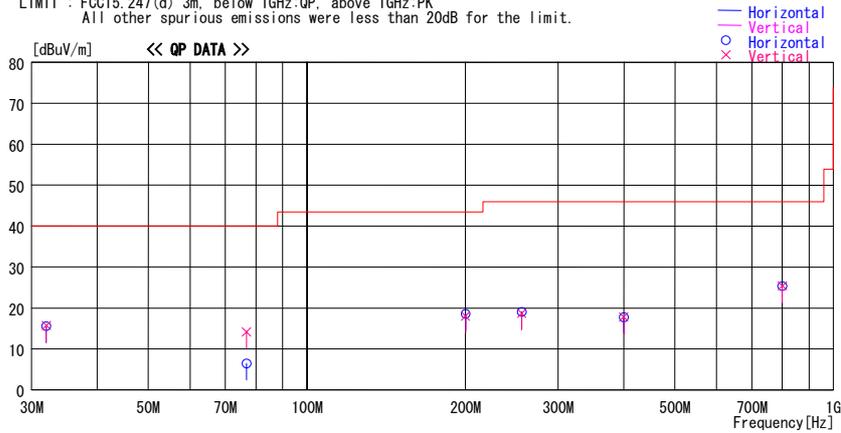
**DATA OF RADIATED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber  
Date : 2008/12/06

Company : SHARP CORPORATION Report No. : 29CE0264-HO-01  
Kind of EUT : W-CDMA / GSM Mobile Phone Power : DC 5V (AC Adapter: AC120V/60Hz)  
Model No. : PV300 Temp./Humi. : 24deg. C. / 41%  
Serial No. : P3-156 Engineer : Takahiro Hatakeda

Mode / Remarks : Bluetooth Tx 2480MHz, Hopping off, DH5 / Max axis (H:Z-axis V:Z-axis)

LIMIT : FCC15.247(d) 3m. below 1GHz:QP, above 1GHz:PK  
All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
			Factor [dB/m]	Gain [dB]						
32.000	22.9	QP	17.8	-25.0	15.7	0	100	Vert.	40.0	24.3
32.000	22.8	QP	17.8	-25.0	15.6	0	300	Hori.	40.0	24.4
76.800	24.3	QP	6.4	-24.2	6.5	239	248	Hori.	40.0	33.5
76.800	32.0	QP	6.4	-24.2	14.2	148	100	Vert.	40.0	25.8
200.217	25.4	QP	16.2	-23.0	18.6	0	167	Hori.	43.5	24.9
200.217	24.8	QP	16.2	-23.0	18.0	30	100	Vert.	43.5	25.5
255.999	24.2	QP	16.9	-22.4	18.7	211	246	Vert.	46.0	27.3
255.999	24.6	QP	16.9	-22.4	19.1	146	124	Hori.	46.0	26.9
400.000	21.8	QP	17.3	-21.3	17.8	0	100	Hori.	46.0	28.2
400.000	21.8	QP	17.3	-21.3	17.8	0	100	Vert.	46.0	28.2
800.000	22.2	QP	21.8	-18.6	25.4	0	100	Hori.	46.0	20.6
800.000	22.2	QP	21.8	-18.6	25.4	0	100	Vert.	46.0	20.6

CHART: WITH FACTOR ANT TYPE: -30MHz: LOOP, 30-300MHz: BICONICAL, 300MHz-1000MHz: LOGPERIODIC, 1000MHz-: HORN  
CALCULATION: RESULT = READING + ANT FACTOR + LOSS (CABLE+ATTEN.) - GAIN (AMP)

\*The test result is round off to one or two decimal places, so some differences might be observed.

**Radiated Spurious Emission (below 1GHz)**  
**EDR, Tx, Ch: Low**

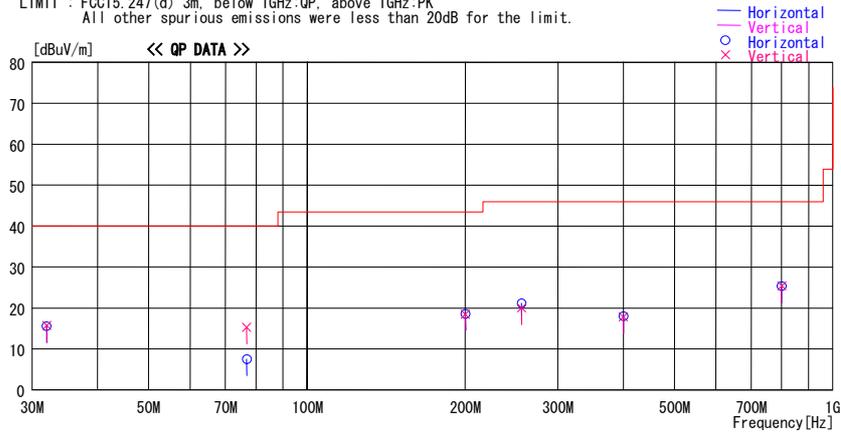
**DATA OF RADIATED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber  
Date : 2008/12/06

Company : SHARP CORPORATION Report No. : 29CE0264-HO-01  
Kind of EUT : W-CDMA / GSM Mobile Phone Power : DC 5V (AC Adapter: AC120V/60Hz)  
Model No. : PV300 Temp./Humi. : 24deg. C. / 41%  
Serial No. : P3-156 Engineer : Takahiro Hatakeda

Mode / Remarks : Bluetooth Tx 2402MHz, Hopping off, 3DH5 / Max axis(H:Z-axis V:Z-axis)

LIMIT : FCC15.247(d) 3m, below 1GHz:QP, above 1GHz:PK  
All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
			Factor [dB/m]	Gain [dB]						
32.000	22.9	QP	17.8	-25.0	15.7	0	100	Vert.	40.0	24.3
32.000	22.8	QP	17.8	-25.0	15.6	155	300	Hori.	40.0	24.4
76.800	25.3	QP	6.4	-24.2	7.5	239	240	Hori.	40.0	32.5
76.800	33.1	QP	6.4	-24.2	15.3	193	100	Vert.	40.0	24.7
200.222	25.4	QP	16.2	-23.0	18.6	0	163	Hori.	43.5	24.9
200.222	25.3	QP	16.2	-23.0	18.5	14	100	Vert.	43.5	25.0
256.000	25.5	QP	16.9	-22.4	20.0	226	251	Vert.	46.0	26.0
256.000	26.7	QP	16.9	-22.4	21.2	132	133	Hori.	46.0	24.8
400.000	22.0	QP	17.3	-21.3	18.0	144	100	Hori.	46.0	28.0
400.000	21.8	QP	17.3	-21.3	17.8	0	100	Vert.	46.0	28.2
800.000	22.2	QP	21.8	-18.6	25.4	0	100	Hori.	46.0	20.6
800.000	22.2	QP	21.8	-18.6	25.4	47	100	Vert.	46.0	20.6

CHART: WITH FACTOR ANT TYPE: -30MHz: LOOP, 30-300MHz: BICONICAL, 300MHz-1000MHz: LOGPERIODIC, 1000MHz-: HORN  
CALCULATION: RESULT = READING + ANT FACTOR + LOSS (CABLE+ATTEN.) - GAIN (AMP)

\*The test result is round off to one or two decimal places, so some differences might be observed.

**Radiated Spurious Emission (below 1GHz)**  
**EDR, Tx, Ch: Mid**

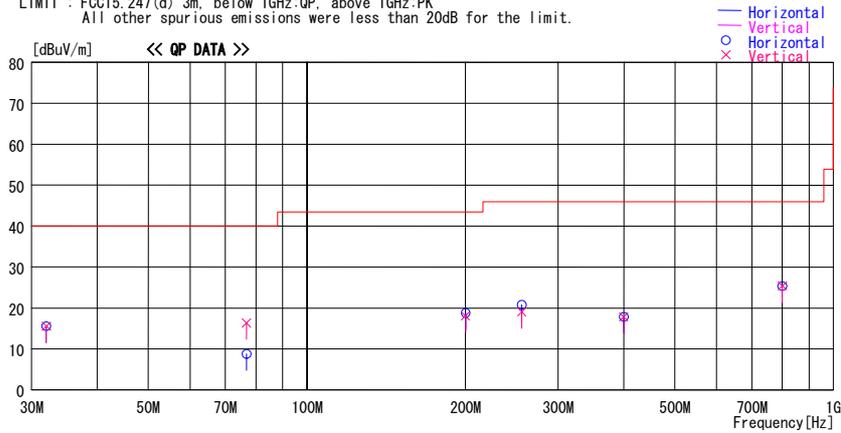
**DATA OF RADIATED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber  
Date : 2008/12/06

Company : SHARP CORPORATION  
Kind of EUT : W-CDMA / GSM Mobile Phone  
Model No. : PV300  
Serial No. : P3-156  
Report No. : 29CE0264-HO-01  
Power : DC 5V (AC Adapter: AC120V/60Hz)  
Temp./Humi. : 24deg.C / 41%  
Engineer : Takahiro Hatakeda

Mode / Remarks : Bluetooth Tx 2441MHz, Hopping off, 3DH5 / Max axis(H:Z-axis V:Z-axis)

LIMIT : FCC15.247(d) 3m, below 1GHz:QP, above 1GHz:PK  
All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
			Factor [dB/m]	Gain [dB]						
32.000	22.8	OP	17.8	-25.0	15.6	0	100	Vert.	40.0	24.4
32.000	22.8	OP	17.8	-25.0	15.6	0	300	Hori.	40.0	24.4
76.802	26.6	OP	6.4	-24.2	8.8	252	229	Hori.	40.0	31.2
76.802	34.2	OP	6.4	-24.2	16.4	169	100	Vert.	40.0	23.6
200.221	25.6	OP	16.2	-23.0	18.8	0	154	Hori.	43.5	24.7
200.221	24.9	OP	16.2	-23.0	18.1	40	100	Vert.	43.5	25.4
256.000	24.6	OP	16.9	-22.4	19.1	230	286	Vert.	46.0	26.9
256.000	26.3	OP	16.9	-22.4	20.8	142	131	Hori.	46.0	25.2
400.000	21.9	OP	17.3	-21.3	17.9	0	100	Hori.	46.0	28.1
400.000	21.8	OP	17.3	-21.3	17.8	0	100	Vert.	46.0	28.2
800.000	22.2	OP	21.8	-18.6	25.4	0	100	Hori.	46.0	20.6
800.000	22.2	OP	21.8	-18.6	25.4	0	100	Vert.	46.0	20.6

CHART: WITH FACTOR ANT TYPE: -30MHz: LOOP, 30-300MHz: BICONICAL, 300MHz-1000MHz: LOGPERIODIC, 1000MHz-: HORN  
CALCULATION: RESULT = READING + ANT FACTOR + LOSS (CABLE+ATTEN.) - GAIN (AMP)

\*The test result is round off to one or two decimal places, so some differences might be observed.

**Radiated Spurious Emission (below 1GHz)**  
**EDR, Tx, Ch: High**

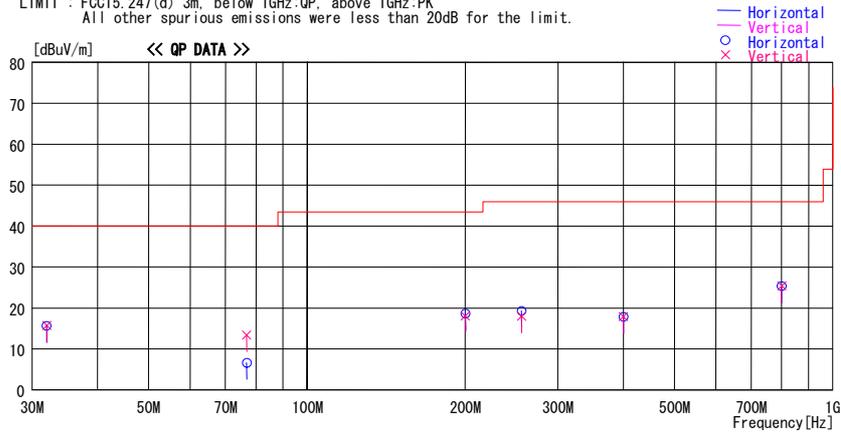
**DATA OF RADIATED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber  
Date : 2008/12/06

Company : SHARP CORPORATION  
Kind of EUT : W-CDMA / GSM Mobile Phone  
Model No. : PV300  
Serial No. : P3-156  
Report No. : 29CE0264-HO-01  
Power : DC 5V (AC Adapter: AC120V/60Hz)  
Temp./Humi. : 24deg. C / 41%  
Engineer : Takahiro Hatakeda

Mode / Remarks : Bluetooth Tx 2480MHz, Hopping off, 3DH5 / Max axis(H:Z-axis V:Z-axis)

LIMIT : FCC15.247(d) 3m, below 1GHz:QP, above 1GHz:PK  
All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
			Factor [dB/m]	Gain [dB]						
32.000	22.9	QP	17.8	-25.0	15.7	0	100	Vert.	40.0	24.3
32.000	22.9	QP	17.8	-25.0	15.7	0	300	Hori.	40.0	24.3
76.802	24.4	QP	6.4	-24.2	6.6	243	252	Hori.	40.0	33.4
76.802	31.2	QP	6.4	-24.2	13.4	209	100	Vert.	40.0	26.6
200.219	25.5	QP	16.2	-23.0	18.7	0	166	Hori.	43.5	24.8
200.219	24.9	QP	16.2	-23.0	18.1	30	100	Vert.	43.5	25.4
256.000	23.5	QP	16.9	-22.4	18.0	232	282	Vert.	46.0	28.0
256.000	24.8	QP	16.9	-22.4	19.3	136	130	Hori.	46.0	26.7
400.000	21.9	QP	17.3	-21.3	17.9	0	100	Hori.	46.0	28.1
400.000	21.9	QP	17.3	-21.3	17.9	0	100	Vert.	46.0	28.1
800.000	22.2	QP	21.8	-18.6	25.4	0	100	Hori.	46.0	20.6
800.000	22.2	QP	21.8	-18.6	25.4	0	100	Vert.	46.0	20.6

CHART: WITH FACTOR ANT TYPE: -30MHz: LOOP, 30-300MHz: BICONICAL, 300MHz-1000MHz: LOGPERIODIC, 1000MHz-: HORN  
CALCULATION: RESULT = READING + ANT FACTOR + LOSS (CABLE+ATTEN.) - GAIN (AMP)

\*The test result is round off to one or two decimal places, so some differences might be observed.

**Radiated Spurious Emission (below 1GHz)**  
**Rx, Ch: Mid**

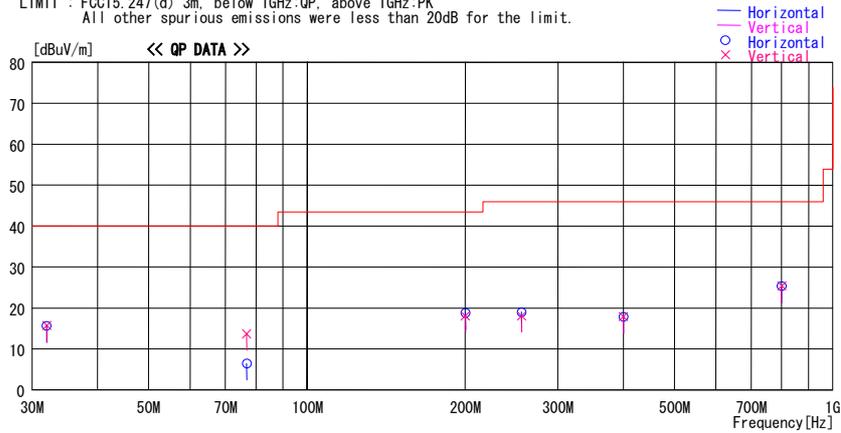
**DATA OF RADIATED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber  
Date : 2008/12/06

Company : SHARP CORPORATION Report No. : 29CE0264-HO-01  
Kind of EUT : W-CDMA / GSM Mobile Phone Power : DC 5V (AC Adapter: AC120V/60Hz)  
Model No. : PV300 Temp./Humi. : 24deg. C / 41%  
Serial No. : P3-156 Engineer : Takahiro Hatakeda

Mode / Remarks : Bluetooth Rx 2441MHz / Max axis(H:Z-axis V:Z-axis)

LIMIT : FCC15.247(d) 3m, below 1GHz:QP, above 1GHz:PK  
All other spurious emissions were less than 20dB for the limit.



Frequency	Reading	DET	Antenna Factor	Loss Gain	Level	Angle	Height	Polar.	Limit	Margin
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]
32.000	22.9	QP	17.8	-25.0	15.7	0	100	Vert.	40.0	24.3
32.000	22.9	QP	17.8	-25.0	15.7	0	300	Hori.	40.0	24.3
76.800	24.3	QP	6.4	-24.2	6.5	227	242	Hori.	40.0	33.5
76.800	31.5	QP	6.4	-24.2	13.7	210	100	Vert.	40.0	26.3
200.219	25.6	QP	16.2	-23.0	18.8	0	162	Hori.	43.5	24.7
200.219	24.9	QP	16.2	-23.0	18.1	31	100	Vert.	43.5	25.4
256.000	23.6	QP	16.9	-22.4	18.1	215	267	Vert.	46.0	27.9
256.000	24.5	QP	16.9	-22.4	19.0	138	128	Hori.	46.0	27.0
400.000	21.9	QP	17.3	-21.3	17.9	0	100	Hori.	46.0	28.1
400.000	21.9	QP	17.3	-21.3	17.9	0	100	Vert.	46.0	28.1
800.000	22.2	QP	21.8	-18.6	25.4	0	100	Hori.	46.0	20.6
800.000	22.2	QP	21.8	-18.6	25.4	0	100	Vert.	46.0	20.6

CHART: WITH FACTOR ANT TYPE: -30MHz: LOOP, 30-300MHz: BICONICAL, 300MHz-1000MHz: LOGPERIODIC, 1000MHz-: HORN  
CALCULATION: RESULT = READING + ANT FACTOR + LOSS (CABLE+ATTEN.) - GAIN (AMP)

\*The test result is round off to one or two decimal places, so some differences might be observed.

**Radiated Spurious Emission (above 1GHz)**  
**BDR, Tx, Ch: Low**

UL Japan, Inc.  
Head Office EMC Lab. No.3 Semi Anechoic Chamber  
Regulation FCC15.247(d) / RSS-210 A8.5  
Test Distance 3m (1G-10GHz) / 1m (above10GHz)  
Date 12/06/2008  
Temperature 23 deg.C.  
Humidity 40 %  
Engineer Takayuki Shimada

Company SHARP CORPORATION  
Equipmen W-CDMA / GSM Mobile Phone  
Model PV300  
S/N P3-156  
Power DC 5V (AC Adapter: AC120V/60Hz)  
Mode Bluetooth Tx 2402MHz, Hopping off, DH5  
Position H: Z-axis, V: Z-axis

PK DETECT (RBW: 1MHz, VBW: 1MHz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT HOR   VER [dBuV/m]	Limit PK [dBuV/m]	MARGIN			
		HOR	VER							HOR	VER		
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss													
1	2390.00	41.7	41.7	26.7	32.8	2.6	0.0	-	38.2	38.2	73.9	35.7	35.7
2	2400.00	45.2	44.3	26.7	32.8	2.6	0.0	-	41.7	40.8	73.9	32.2	33.1
3	4804.00	38.5	38.5	31.2	30.7	3.7	0.0	-	42.7	42.7	73.9	31.2	31.2
4	7206.00	39.6	39.6	35.6	31.4	4.1	0.0	-	47.9	47.9	73.9	26.0	26.0
5	9608.00	40.6	40.4	38.3	32.0	4.8	0.0	-	51.7	51.5	73.9	22.2	22.4
Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac													
6	12010.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
7	14412.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
8	16814.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
9	19216.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
10	21618.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
11	24020.00	44.2	44.1	38.4	31.2	7.7	0.0	-	49.6	49.5	73.9	24.3	24.4

AV DETECT (RBW: 1MHz, VBW: 10Hz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	Dwell Factor [dB] *1)	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER						HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss													
1	2390.00	28.5	28.5	26.7	32.8	2.6	0.0	0.0	25.0	25.0	53.9	28.9	28.9
2	2400.00	31.8	31.7	26.7	32.8	2.6	0.0	0.0	28.3	28.2	53.9	25.6	25.7
3	4804.00	26.0	26.0	31.2	30.7	3.7	0.0	0.0	30.2	30.2	53.9	23.7	23.7
4	7206.00	26.8	26.8	35.6	31.4	4.1	0.0	0.0	35.1	35.1	53.9	18.8	18.8
5	9608.00	27.7	27.7	38.3	32.0	4.8	0.0	0.0	38.8	38.8	53.9	15.1	15.1
Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac													
6	12010.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
7	14412.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
8	16814.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
9	19216.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
10	21618.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
11	24020.00	31.4	31.3	38.4	31.2	7.7	0.0	0.0	36.8	36.7	53.9	17.1	17.2

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3.0/1.0) = 9.5 dB  
\*Except for the above table : All other spurious emissions were less than 20dB for the limit.  
\*Hi-Pass Fiter was not used for factor 0.0dB of the above table.  
\*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.  
\*The test result is round off to one or two decimal places, so some differences might be observed.  
\*NS: No detect Signal.  
\*1) Dwell Factor was not used since the detected noise was not the pulse noise.

**Radiated Spurious Emission (above 1GHz)**  
**BDR, Tx, Ch: Mid**

UL Japan, Inc.  
Head Office EMC Lab. No.3 Semi Anechoic Chamber  
Regulation FCC15.247(d) / RSS-210 A8.5  
Test Distance 3m (1G-10GHz) / 1m (above10GHz)  
Date 12/06/2008  
Temperature 23 deg.C.  
Humidity 40 %  
Engineer Takayuki Shimada

Company SHARP CORPORATION  
Equipmen W-CDMA / GSM Mobile Phone  
Model PV300  
S/N P3-156  
Power DC 5V (AC Adapter: AC120V/60Hz)  
Mode Bluetooth Tx 2441MHz, Hopping off, DH5  
Position H: Z-axis, V: Z-axis

**PK DETECT** (RBW: 1MHz, VBW: 1MHz)

No.	FREQ [MHz]	S/A READING [dBuV]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]		RESULT [dBuV/m]		Limit PK [dBuV/m]	MARGIN [dB]	
		HOR	VER						HOR	VER		HOR	VER
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>													
1	4882.00	39.6	39.5	31.3	30.6	3.7	0.0	-	44.0	43.9	73.9	29.9	30.0
2	7323.00	39.5	39.3	35.8	31.4	4.1	0.0	-	48.0	47.8	73.9	25.9	26.1
3	9764.00	40.0	39.9	38.4	32.1	4.9	0.0	-	51.2	51.1	73.9	22.7	22.8
<b>Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>													
4	12205.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
5	14646.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
6	17087.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
7	19528.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
8	21969.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
9	24410.00	43.4	43.3	38.6	30.6	7.7	0.0	-	49.6	49.5	73.9	24.3	24.4

**AV DETECT** (RBW: 1MHz, VBW: 10Hz)

No.	FREQ [MHz]	S/A READING [dBuV]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	Dwell Factor [dB] *1)	RESULT [dBuV/m]		Limit AV [dBuV/m]	MARGIN [dB]	
		HOR	VER						HOR	VER		HOR	VER
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>													
1	4882.00	26.0	26.0	31.3	30.6	3.7	0.0	0.0	30.4	30.4	53.9	23.5	23.5
2	7323.00	26.4	26.3	35.8	31.4	4.1	0.0	0.0	34.9	34.8	53.9	19.0	19.1
3	9764.00	26.9	26.9	38.4	32.1	4.9	0.0	0.0	38.1	38.1	53.9	15.8	15.8
<b>Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>													
4	12205.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
5	14646.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
6	17087.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
7	19528.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
8	21969.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
9	24410.00	30.5	30.4	38.6	30.6	7.7	0.0	0.0	36.7	36.6	53.9	17.2	17.3

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3.0/1.0) = 9.5 dB  
\*Except for the above table : All other spurious emissions were less than 20dB for the limit.  
\*Hi-Pass Fiter was not used for factor 0.0dB of the above table.  
\*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.  
\*The test result is round off to one or two decimal places, so some differences might be observed.  
\*NS: No detect Signal.  
\*1) Dwell Factor was not used since the detected noise was not the pulse noise.

**Radiated Spurious Emission (above 1GHz)**  
**BDR, Tx, Ch: High**

UL Japan, Inc.  
Head Office EMC Lab. No.3 Semi Anechoic Chamber  
Regulation FCC15.247(d) / RSS-210 A8.5  
Test Distance 3m (1G-10GHz) / 1m (above10GHz)  
Date 12/06/2008  
Temperature 23 deg.C.  
Humidity 40 %  
Engineer Takayuki Shimada

Company SHARP CORPORATION  
Equipment W-CDMA / GSM Mobile Phone  
Model PV300  
S/N P3-156  
Power DC 5V (AC Adapter: AC120V/60Hz)  
Mode Bluetooth Tx 2480MHz, Hopping off, DH5  
Position H: Z-axis, V: Z-axis

**PK DETECT** (RBW: 1MHz, VBW: 1MHz)

No.	FREQ [MHz]	S/A READING [dBuV]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]		RESULT [dBuV/m]		Limit PK [dBuV/m]	MARGIN [dB]	
		HOR	VER						HOR	VER		HOR	VER
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>													
1	2483.50	41.6	42.5	26.9	32.8	2.7	0.0	-	38.4	39.3	73.9	35.5	34.6
2	4960.00	39.3	39.1	31.5	30.6	3.7	0.0	-	43.9	43.7	73.9	30.0	30.2
3	7440.00	39.8	39.5	36.0	31.4	4.2	0.0	-	48.6	48.3	73.9	25.3	25.6
4	9920.00	41.0	41.2	38.5	32.2	4.9	0.0	-	52.2	52.4	73.9	21.7	21.5
<b>Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>													
5	12400.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
6	14880.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
7	17360.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
8	19840.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
9	22320.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
10	24800.00	44.2	44.0	38.9	29.9	7.8	0.0	-	51.5	51.3	73.9	22.4	22.6

**AV DETECT** (RBW: 1MHz, VBW: 10Hz)

No.	FREQ [MHz]	S/A READING [dBuV]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	Dwell Factor [dB] *1)	RESULT [dBuV/m]		Limit AV [dBuV/m]	MARGIN [dB]	
		HOR	VER						HOR	VER		HOR	VER
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>													
1	2483.50	28.8	28.8	26.9	32.8	2.7	0.0	0.0	25.6	25.6	53.9	28.3	28.3
2	4960.00	26.3	26.5	31.5	30.6	3.7	0.0	0.0	30.9	31.1	53.9	23.0	22.8
3	7440.00	26.8	26.9	36.0	31.4	4.2	0.0	0.0	35.6	35.7	53.9	18.3	18.2
4	9920.00	27.9	27.9	38.5	32.2	4.9	0.0	0.0	39.1	39.1	53.9	14.8	14.8
<b>Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>													
5	12400.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
6	14880.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
7	17360.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
8	19840.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
9	22320.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
10	24800.00	31.1	31.1	38.9	29.9	7.8	0.0	0.0	38.4	38.4	53.9	15.5	15.5

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3.0/1.0) = 9.5 dB  
\*Except for the above table : All other spurious emissions were less than 20dB for the limit.  
\*Hi-Pass Fiter was not used for factor 0.0dB of the above table.  
\*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.  
\*The test result is round off to one or two decimal places, so some differences might be observed.  
\*NS: No detect Signal.  
\*1) Dwell Factor was not used since the detected noise was not the pulse noise.

**Radiated Spurious Emission (above 1GHz)**  
**EDR, Tx, Ch: Low**

UL Japan, Inc.  
Head Office EMC Lab. No.3 Semi Anechoic Chamber  
Regulation FCC15.247(d) / RSS-210 A8.5  
Test Distance 3m (1G-10GHz) / 1m (above10GHz)  
Date 12/06/2008  
Temperature 23 deg.C.  
Humidity 40 %  
Engineer Takayuki Shimada

Company SHARP CORPORATION  
Equipmen W-CDMA / GSM Mobile Phone  
Model PV300  
S/N P3-156  
Power DC 5V (AC Adapter: AC120V/60Hz)  
Mode Bluetooth Tx 2402MHz, Hopping off, 3DH5  
Position H: Z-axis, V: Z-axis

PK DETECT (RBW: 1MHz, VBW: 1MHz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]		RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR [dBuV]	VER						HOR	VER		HOR	VER
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>													
1	2390.00	41.7	41.8	26.7	32.8	2.6	0.0	-	38.2	38.3	73.9	35.7	35.6
2	2400.00	45.0	44.8	26.7	32.8	2.6	0.0	-	41.5	41.3	73.9	32.4	32.6
3	4804.00	38.8	39.0	31.2	30.7	3.7	0.0	-	43.0	43.2	73.9	30.9	30.7
4	7206.00	39.6	39.7	35.6	31.4	4.1	0.0	-	47.9	48.0	73.9	26.0	25.9
5	9608.00	40.7	40.5	38.3	32.0	4.8	0.0	-	51.8	51.6	73.9	22.1	22.3
<b>Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>													
6	12010.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
7	14412.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
8	16814.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
9	19216.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
10	21618.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
11	24020.00	44.2	44.2	38.4	31.2	7.7	0.0	-	49.6	49.6	73.9	24.3	24.3

AV DETECT (RBW: 1MHz, VBW: 10Hz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	Dwell Factor [dB] *1)	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR [dBuV]	VER						HOR	VER		HOR	VER
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>													
1	2390.00	28.5	28.5	26.7	32.8	2.6	0.0	0.0	25.0	25.0	53.9	28.9	28.9
2	2400.00	31.9	31.8	26.7	32.8	2.6	0.0	0.0	28.4	28.3	53.9	25.5	25.6
3	4804.00	26.0	26.0	31.2	30.7	3.7	0.0	0.0	30.2	30.2	53.9	23.7	23.7
4	7206.00	26.7	26.8	35.6	31.4	4.1	0.0	0.0	35.0	35.1	53.9	18.9	18.8
5	9608.00	27.7	27.8	38.3	32.0	4.8	0.0	0.0	38.8	38.9	53.9	15.1	15.0
<b>Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>													
6	12010.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
7	14412.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
8	16814.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
9	19216.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
10	21618.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
11	24020.00	31.5	31.5	38.4	31.2	7.7	0.0	0.0	36.9	36.9	53.9	17.0	17.0

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3.0/1.0) = 9.5 dB

\*Except for the above table : All other spurious emissions were less than 20dB for the limit.

\*Hi-Pass Fiter was not used for factor 0.0dB of the above table.

\*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.

\*The test result is round off to one or two decimal places, so some differences might be observed.

\*NS: No detect Signal.

\*1) Dwell Factor was not used since the detected noise was not the pulse noise.

**Radiated Spurious Emission (above 1GHz)**  
**EDR, Tx, Ch: Mid**

UL Japan, Inc.  
Head Office EMC Lab. No.3 Semi Anechoic Chamber  
Regulation FCC15.247(d) / RSS-210 A8.5  
Test Distance 3m (1G-10GHz) / 1m (above10GHz)  
Date 12/06/2008  
Temperature 23 deg.C.  
Humidity 40 %  
Engineer Takayuki Shimada

Company SHARP CORPORATION  
Equipment W-CDMA / GSM Mobile Phone  
Model PV300  
S/N P3-156  
Power DC 5V (AC Adapter: AC120V/60Hz)  
Mode Bluetooth Tx 2441MHz, Hopping off, 3DH5  
Position H: Z-axis, V: Z-axis

**PK DETECT** (RBW: 1MHz, VBW: 1MHz)

No.	FREQ [MHz]	S/A READING [dBuV]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]		RESULT [dBuV/m]		Limit PK [dBuV/m]	MARGIN [dB]	
		HOR	VER						HOR	VER		HOR	VER
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>													
1	4882.00	39.3	39.5	31.3	30.6	3.7	0.0	-	43.7	43.9	73.9	30.2	30.0
2	7323.00	39.2	39.3	35.8	31.4	4.1	0.0	-	47.7	47.8	73.9	26.2	26.1
3	9764.00	39.8	39.6	38.4	32.1	4.9	0.0	-	51.0	50.8	73.9	<b>22.9</b>	23.1
<b>Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>													
4	12205.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
5	14646.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
6	17087.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
7	19528.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
8	21969.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
9	24410.00	43.4	43.5	38.6	30.6	7.7	-	-	49.6	49.7	73.9	24.3	24.2

**AV DETECT** (RBW: 1MHz, VBW: 10Hz)

No.	FREQ [MHz]	S/A READING [dBuV]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	Dwell Factor [dB] *1)	RESULT [dBuV/m]		Limit AV [dBuV/m]	MARGIN [dB]	
		HOR	VER						HOR	VER		HOR	VER
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>													
1	4882.00	26.1	26.1	31.3	30.6	3.7	0.0	0.0	30.5	30.5	53.9	23.4	23.4
2	7323.00	26.4	26.4	35.8	31.4	4.1	0.0	0.0	34.9	34.9	53.9	19.0	19.0
3	9764.00	26.9	26.9	38.4	32.1	4.9	0.0	0.0	38.1	38.1	53.9	<b>15.8</b>	<b>15.8</b>
<b>Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>													
4	12205.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
5	14646.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
6	17087.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
7	19528.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
8	21969.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
9	24410.00	30.4	30.3	38.6	30.6	7.7	0.0	0.0	36.6	36.5	53.9	17.3	17.4

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3.0/1.0) = 9.5 dB  
\*Except for the above table : All other spurious emissions were less than 20dB for the limit.  
\*Hi-Pass Fiter was not used for factor 0.0dB of the above table.  
\*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.  
\*The test result is round off to one or two decimal places, so some differences might be observed.  
\*NS: No detect Signal.  
\*1) Dwell Factor was not used since the detected noise was not the pulse noise.

**Radiated Spurious Emission (above 1GHz)**  
**EDR, Tx, Ch: High**

UL Japan, Inc.  
Head Office EMC Lab. No.3 Semi Anechoic Chamber  
Regulation FCC15.247(d) / RSS-210 A8.5  
Test Distance 3m (1G-10GHz) / 1m (above10GHz)  
Date 12/06/2008  
Temperature 23 deg.C.  
Humidity 40 %  
Engineer Takayuki Shimada

Company SHARP CORPORATION  
Equipment W-CDMA / GSM Mobile Phone  
Model PV300  
S/N P3-156  
Power DC 5V (AC Adapter: AC120V/60Hz)  
Mode Bluetooth Tx 2480MHz, Hopping off, 3DH5  
Position H: Z-axis, V: Z-axis

**PK DETECT** (RBW: 1MHz, VBW: 1MHz)

No.	FREQ [MHz]	S/A READING HOR   VER [dBuV]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT HOR   VER [dBuV/m]	Limit PK [dBuV/m]	MARGIN HOR   VER [dB]			
		Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss											
1	2483.50	41.8	41.6	26.9	32.8	2.7	0.0	-	38.6	38.4	73.9	35.3	35.5
2	4960.00	39.0	39.1	31.5	30.6	3.7	0.0	-	43.6	43.7	73.9	30.3	30.2
3	7440.00	39.6	39.8	36.0	31.4	4.2	0.0	-	48.4	48.6	73.9	25.5	25.3
4	9920.00	41.2	41.1	38.5	32.2	4.9	0.0	-	52.4	52.3	73.9	21.5	21.6
Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac													
5	12400.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
6	14880.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
7	17360.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
8	19840.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
9	22320.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
10	24800.00	44.1	44.0	38.9	29.9	7.8	0.0	-	51.4	51.3	73.9	22.5	22.6

**AV DETECT** (RBW: 1MHz, VBW: 10Hz)

No.	FREQ [MHz]	S/A READING HOR   VER [dBuV]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	Dwell Factor [dB] *1)	RESULT HOR   VER [dBuV/m]	Limit AV [dBuV/m]	MARGIN HOR   VER [dB]		
		Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss											
1	2483.50	28.8	28.8	26.9	32.8	2.7	0.0	0.0	25.6	25.6	53.9	28.3	28.3
2	4960.00	26.2	26.4	31.5	30.6	3.7	0.0	0.0	30.8	31.0	53.9	23.1	22.9
3	7440.00	26.7	26.8	36.0	31.4	4.2	0.0	0.0	35.5	35.6	53.9	18.4	18.3
4	9920.00	27.8	27.8	38.5	32.2	4.9	0.0	0.0	39.0	39.0	53.9	14.9	14.9
Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac													
5	12400.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
6	14880.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
7	17360.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
8	19840.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
9	22320.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
10	24800.00	31.0	31.0	38.9	29.9	7.8	0.0	0.0	38.3	38.3	53.9	15.6	15.6

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3.0/1.0) = 9.5 dB

\*Except for the above table : All other spurious emissions were less than 20dB for the limit.

\*Hi-Pass Fiter was not used for factor 0.0dB of the above table.

\*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.

\*The test result is round off to one or two decimal places, so some differences might be observed.

\*NS: No detect Signal.

\*1) Dwell Factor was not used since the detected noise was not the pulse noise.

**Radiated Spurious Emission (above 1GHz)**

**Rx, Ch: Mid**

UL Japan, Inc.  
Head Office EMC Lab. No.3 Semi Anechoic Chamber  
Regulation FCC 15.109 / RSS-Gen 7.2.1 and 7.2.3  
Test Distance 3m  
Date 12/06/2008  
Temperature 23 deg.C.  
Humidity 40 %  
Engineer Takayuki Shimada

Company SHARP CORPORATION  
Equipment W-CDMA / GSM Mobile Phone  
Model PV300  
S/N P3-156  
Power DC 5V (AC Adapter: AC120V/60Hz)  
Mode Bluetooth Rx 2441MHz  
Position H: Z-axis, V: Z-axis

**PK DETECT** (RBW: 1MHz, VBW: 1MHz)

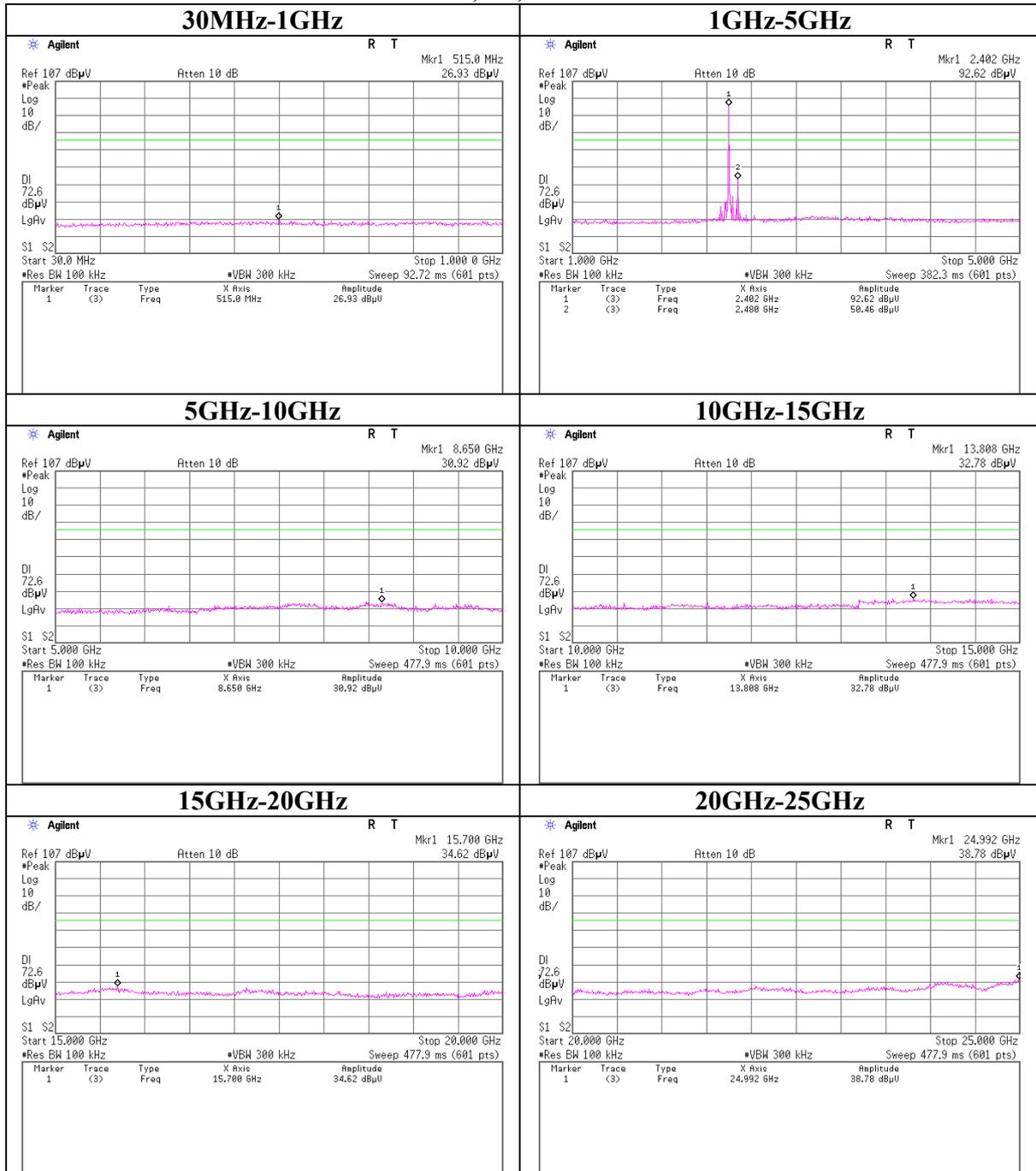
No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	/	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER						HOR	VER		HOR	VER
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>													
1	2441.00	40.5	40.6	26.8	32.8	2.7	0.0	-	37.2	37.3	73.9	36.7	36.6
2	4882.00	38.9	38.7	31.3	30.6	3.7	0.0	-	43.3	43.1	73.9	30.6	30.8
3	7323.00	39.3	39.4	35.8	31.4	4.1	0.0	-	47.8	47.9	73.9	26.1	26.0

**AV DETECT** (RBW: 1MHz, VBW: 10Hz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	/	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER						HOR	VER		HOR	VER
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>													
1	2441.00	27.9	27.8	26.8	32.8	2.7	0.0	-	24.6	24.5	53.9	29.3	29.4
2	4882.00	25.9	26.0	31.3	30.6	3.7	0.0	-	30.3	30.4	53.9	23.6	23.5
3	7323.00	26.3	26.3	35.8	31.4	4.1	0.0	-	34.8	34.8	53.9	19.1	19.1

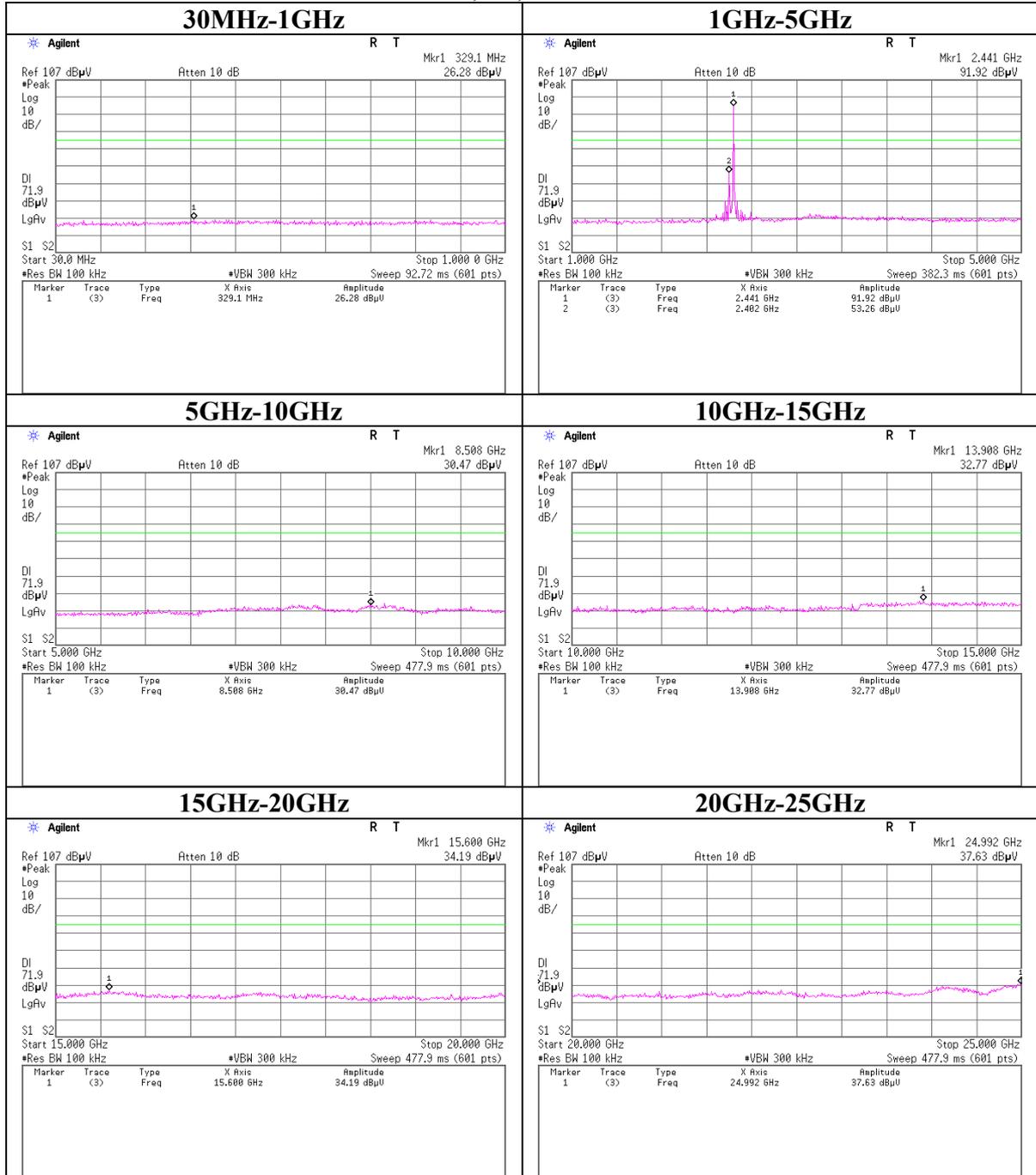
\*Except for the above table : All other spurious emissions were less than 20dB for the limit.  
\*Hi-Pass Fiter was not used for factor 0.0dB of the above table.  
\*The test result is round off to one or two decimal places, so some differences might be observed.

**Conducted Spurious Emission**  
**BDR, Tx, Ch: Low**



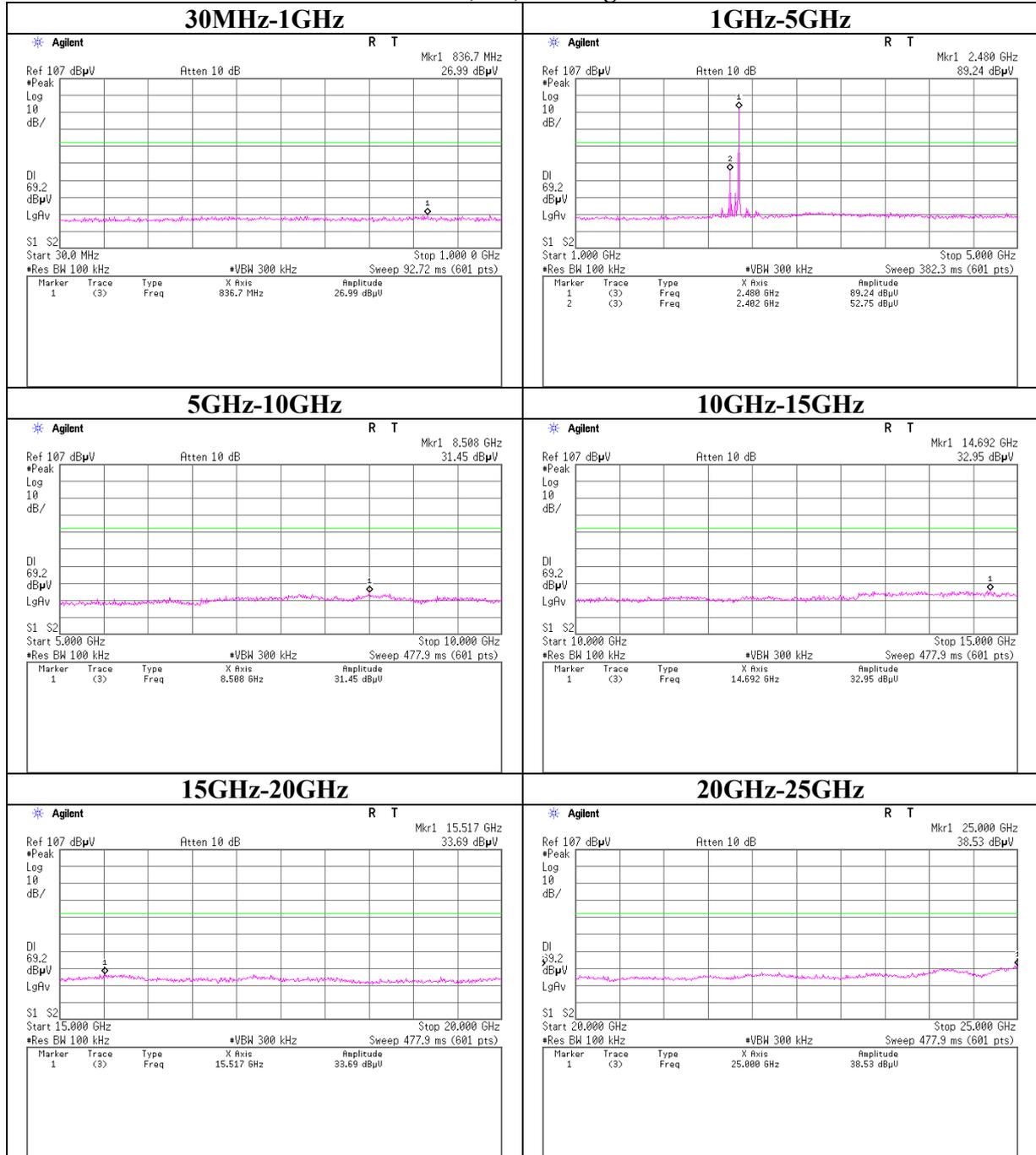
\*Marker 2 is a signal of Bluetooth tester.

**Conducted Spurious Emission**  
**BDR, Tx, Ch: Mid**



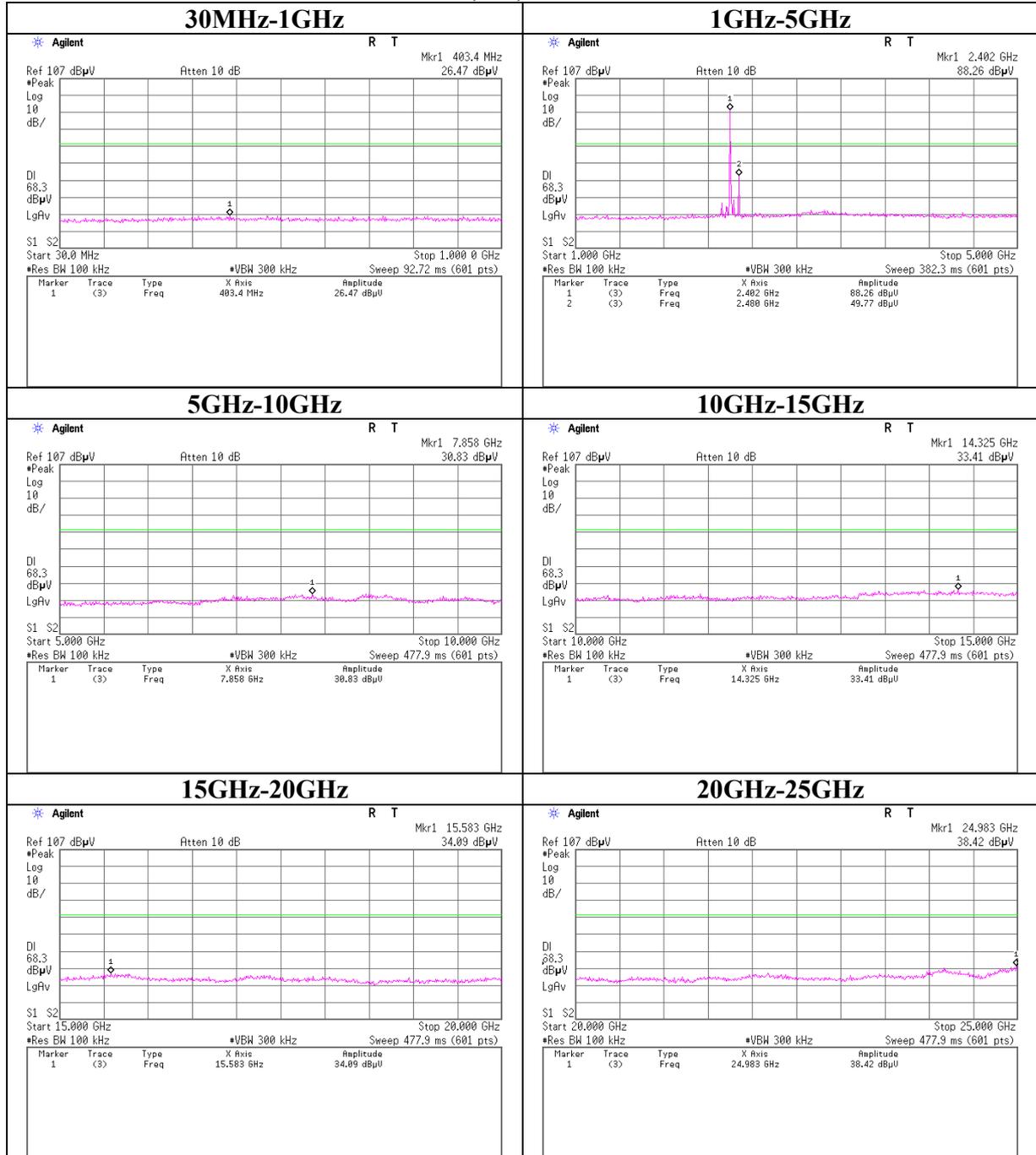
\*Marker 2 is a signal of Bluetooth tester.

**Conducted Spurious Emission**  
**BDR, Tx, Ch: High**



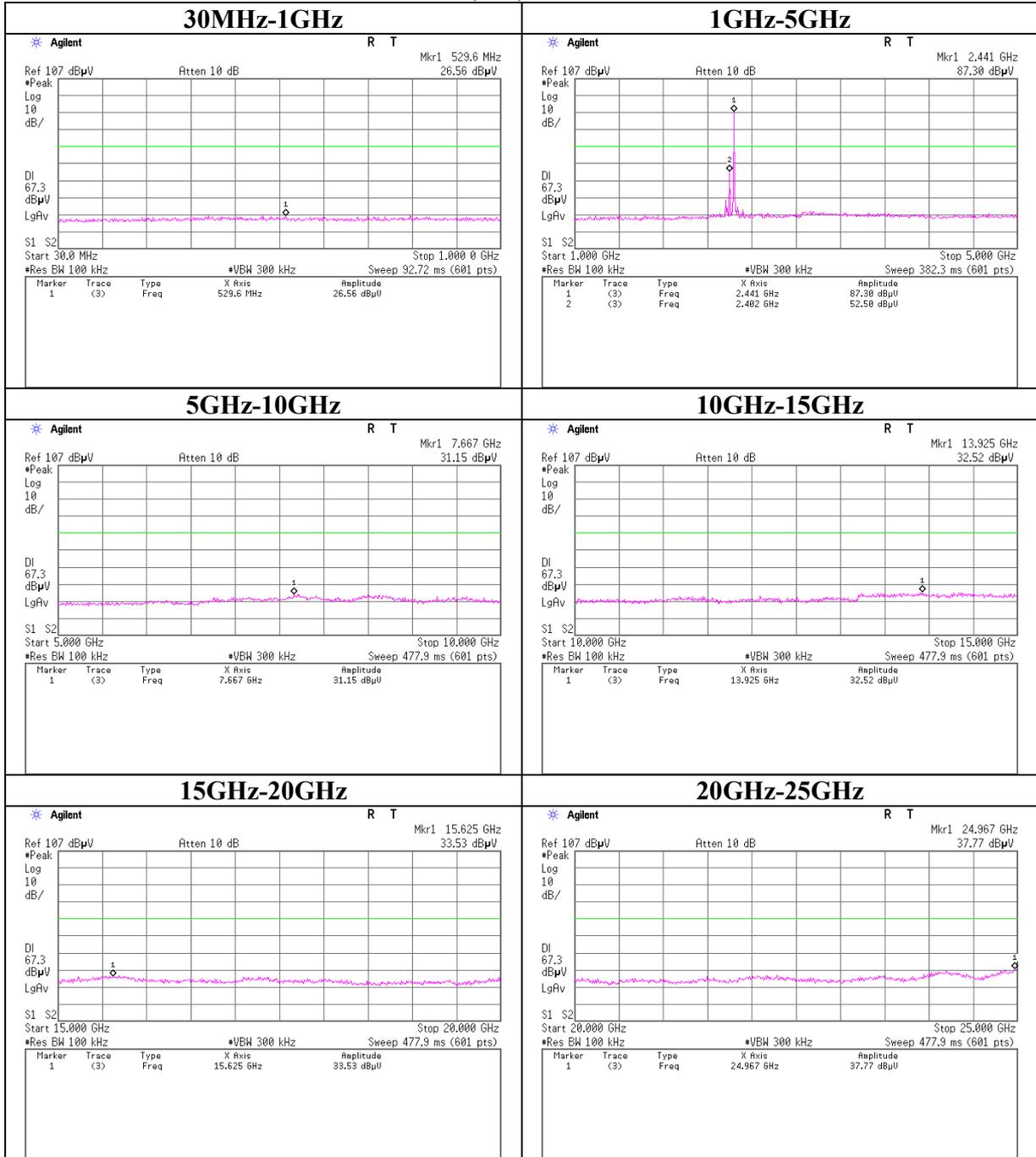
\*Marker 2 is a signal of Bluetooth tester.

**Conducted Spurious Emission**  
**EDR, Tx, Ch: Low**



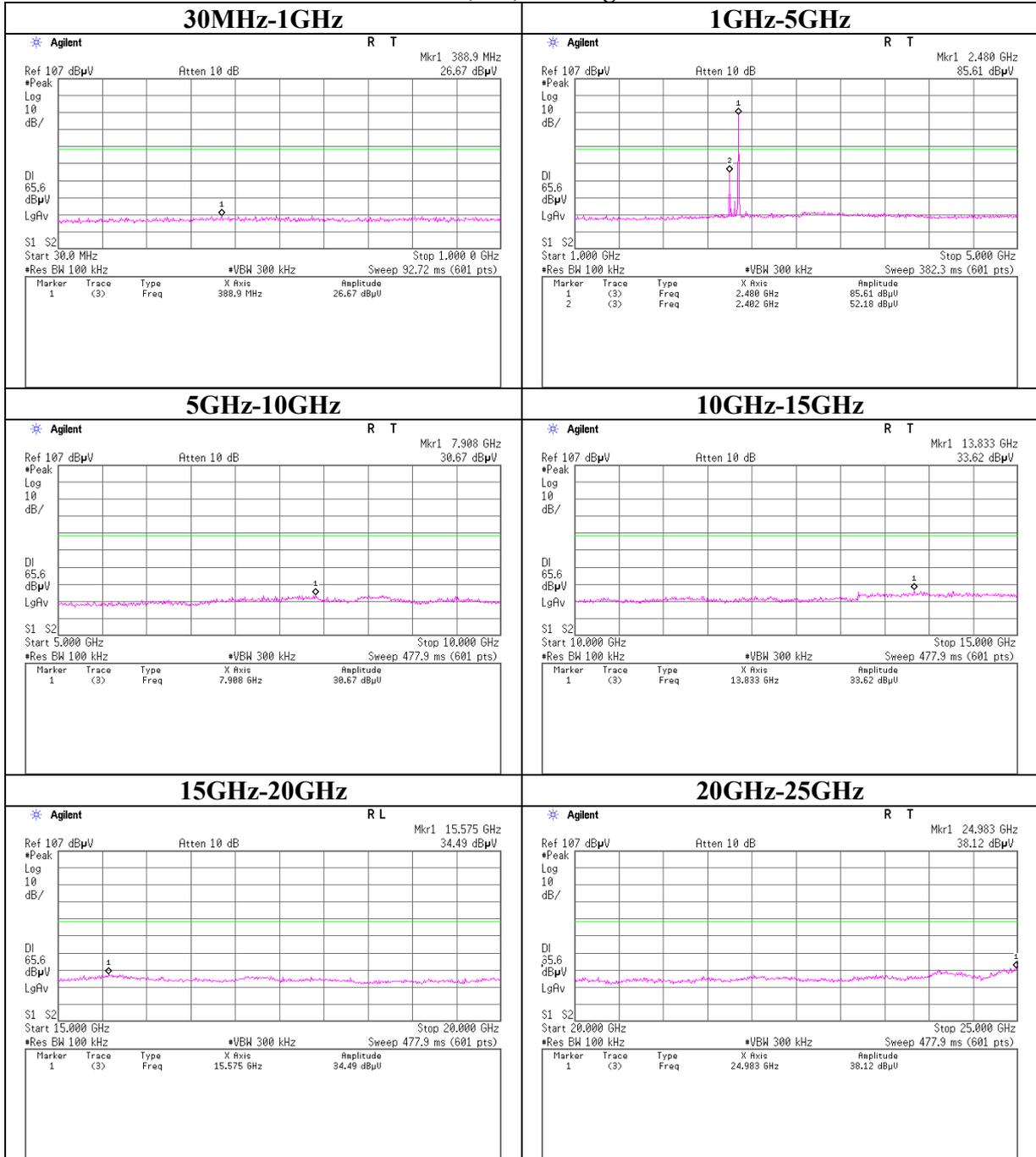
\*Marker 2 is a signal of Bluetooth tester.

**Conducted Spurious Emission**  
**EDR, Tx, Ch: Mid**



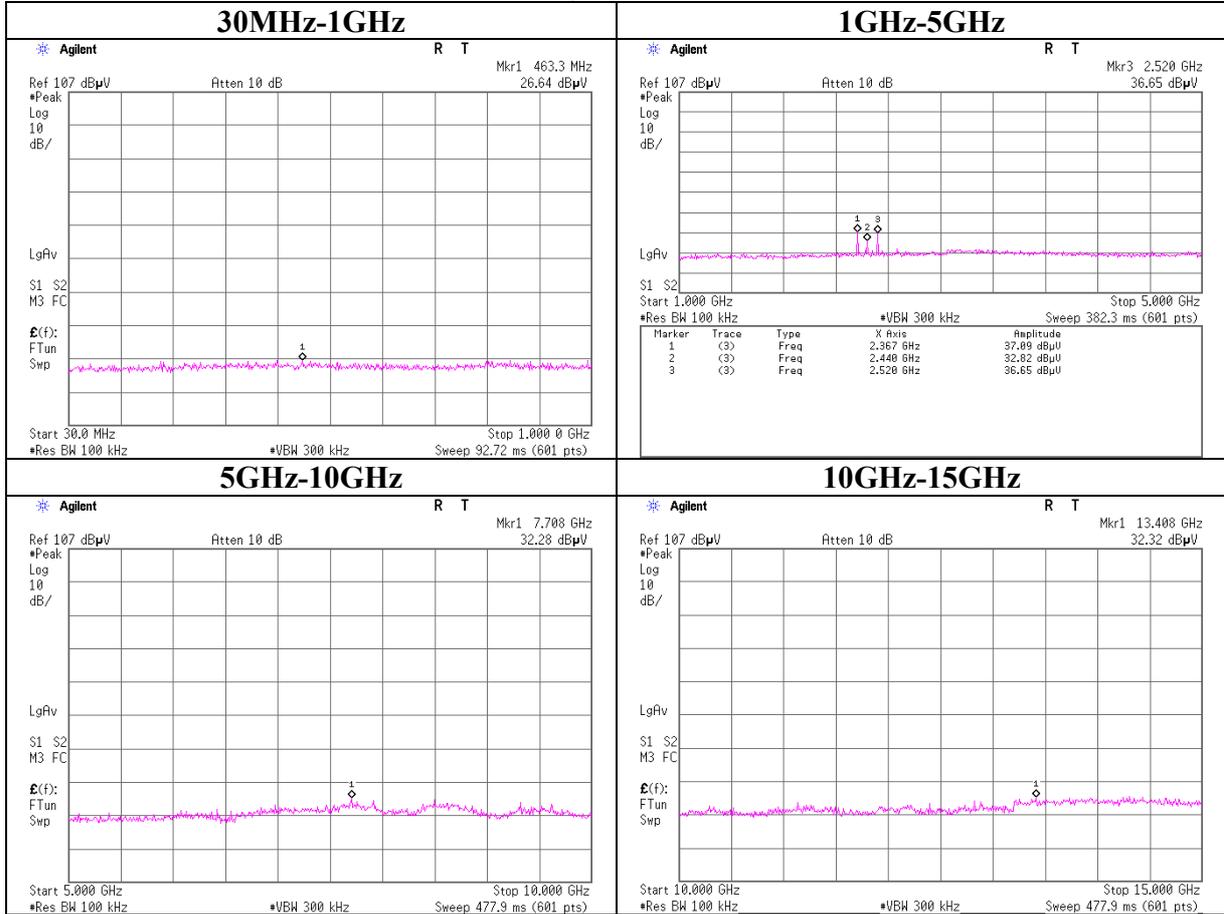
\*Marker 2 is a signal of Bluetooth tester.

**Conducted Spurious Emission**  
**EDR, Tx, Ch: High**

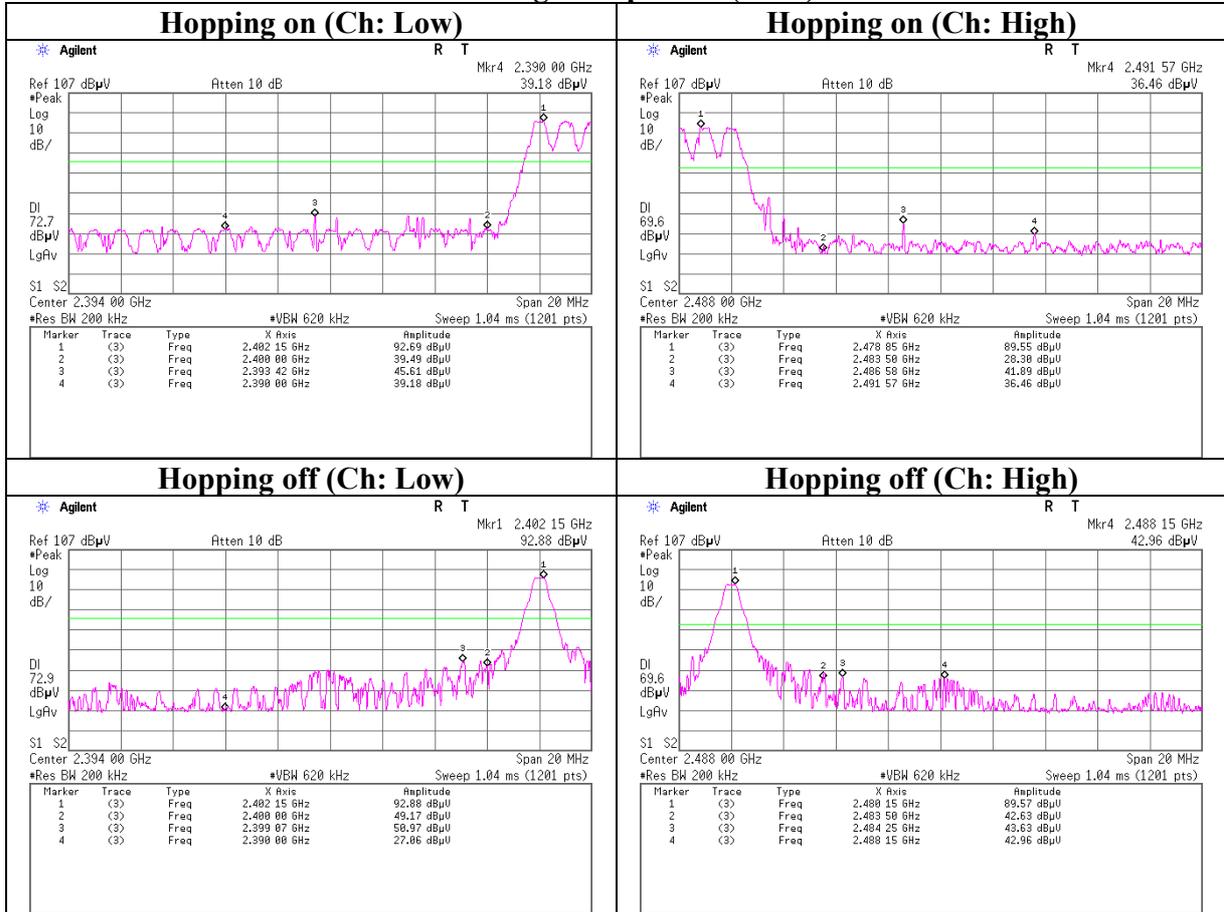


\*Marker 2 is a signal of Bluetooth tester.

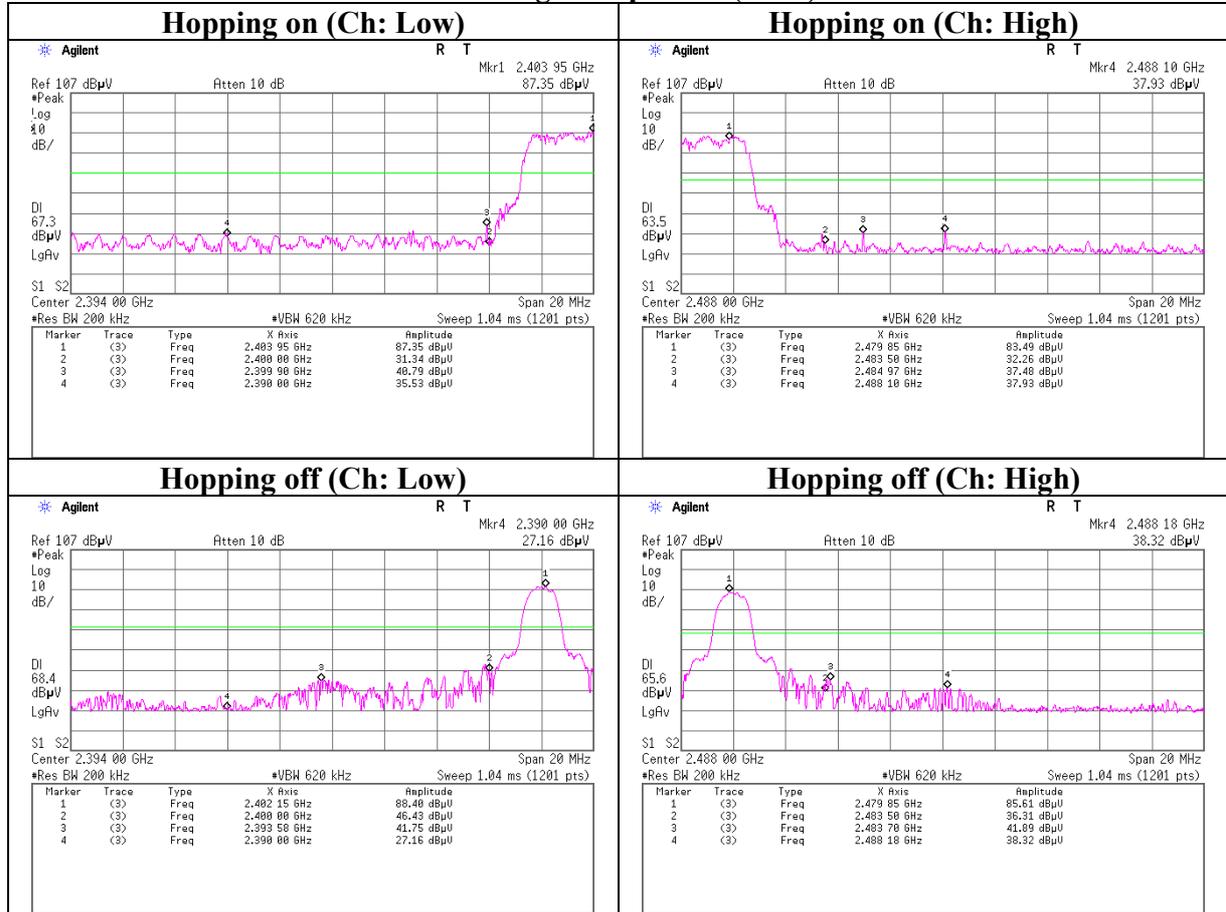
**Conducted Spurious Emission**  
**Rx, Ch: Mid**



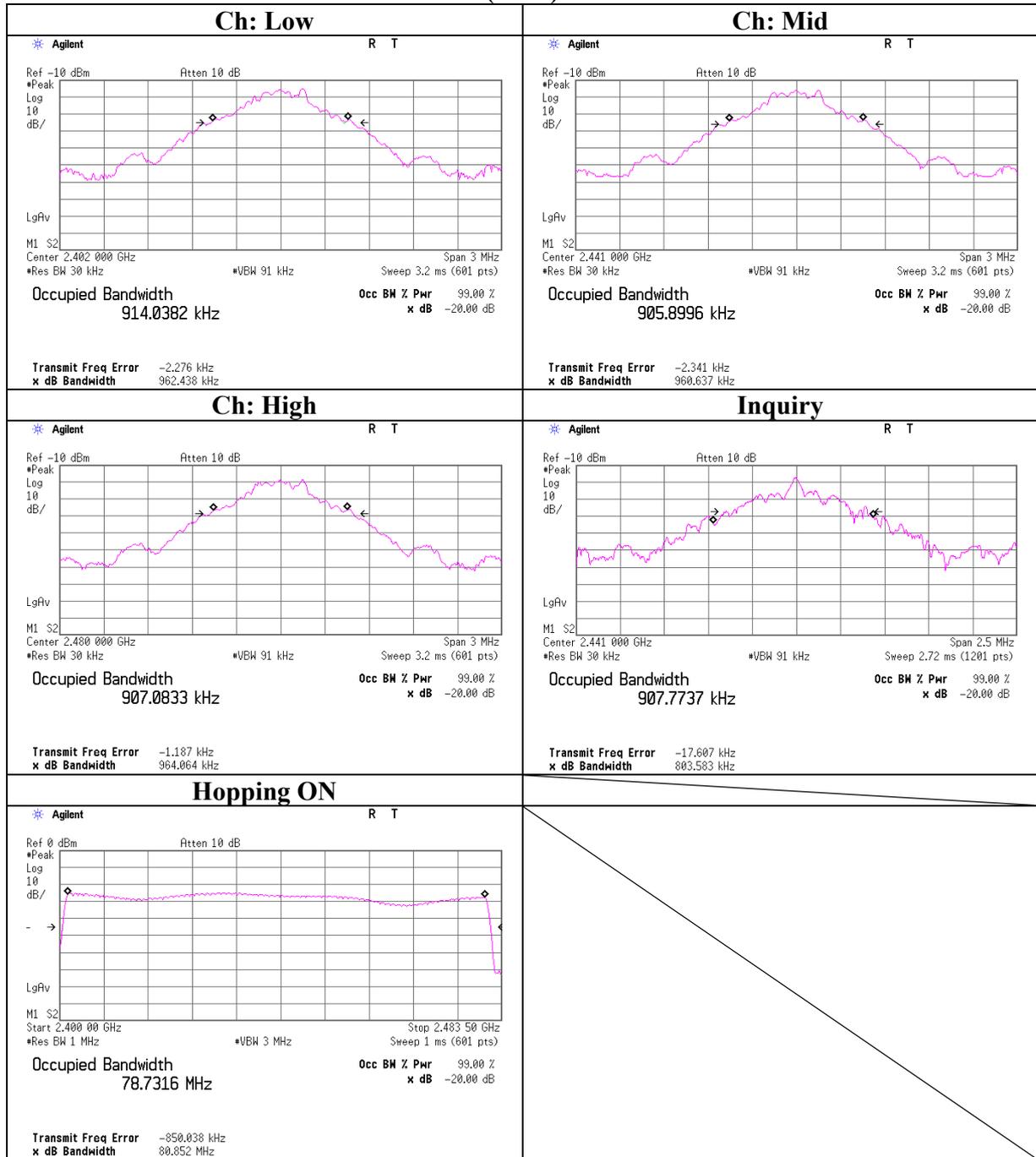
**Conducted Spurious Emission**  
**Band Edge compliance (BDR)**



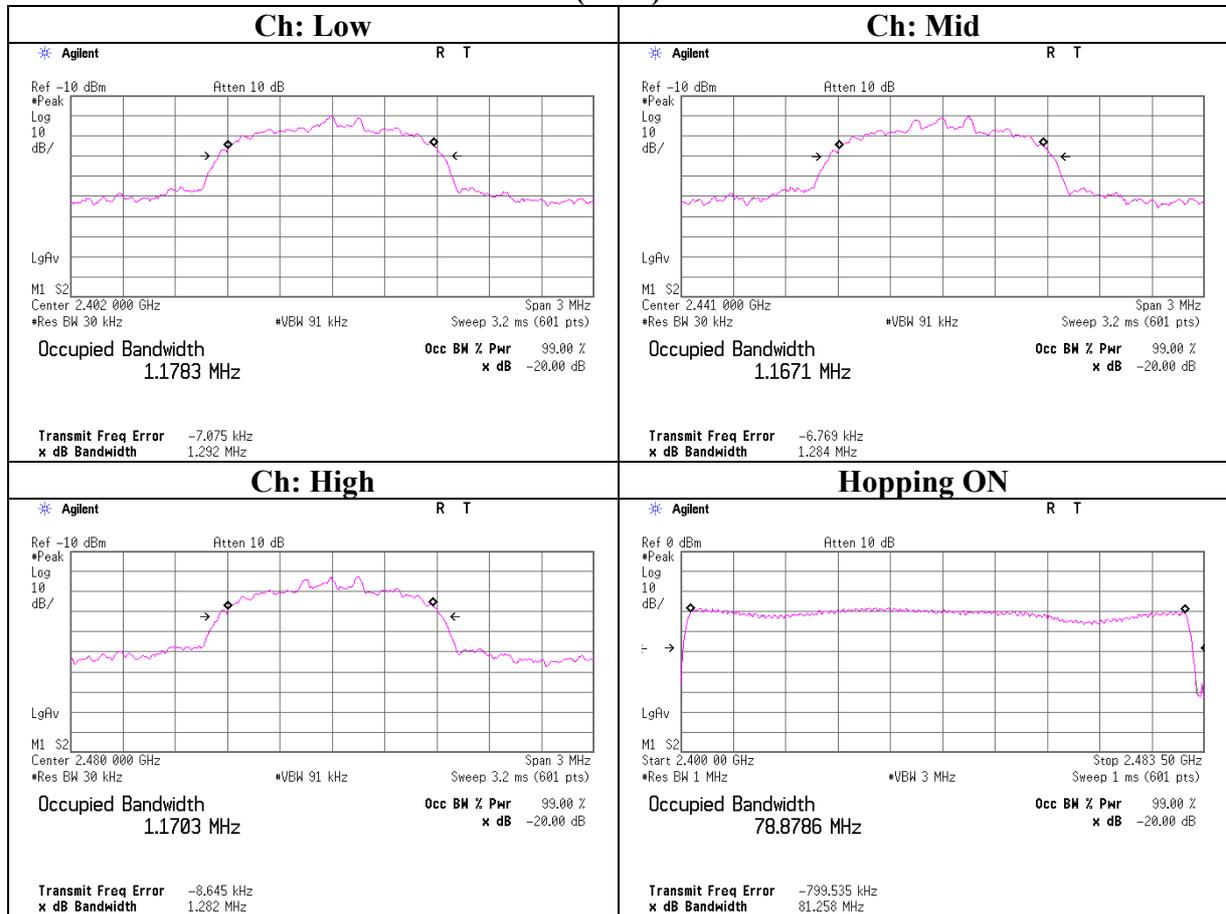
### Conducted Spurious Emission Band Edge compliance (EDR)



**99% Occupied Bandwidth  
(BDR)**



**99% Occupied Bandwidth  
(EDR)**



### **APPENDIX 3:Test instruments**

Control No.	Instrument	Manufacturer	Model No	Serial No	Test Item	Calibration Date * Interval(month)
MAEC-03	Anechoic Chamber(NSA)	TDK	Semi Anechoic Chamber 3m	DA-10005	RE	2008/03/25 * 12
MOS-13	Thermo-Hygrometer	Custom	CTH-180	-	RE	2008/01/10 * 12
MJM-06	Measure	PROMART	SEN1955	-	RE	-
MSTW-14	EMI measurement program	TSJ	TEPTO-DV	-	RE / CE	-
MSA-04	Spectrum Analyzer	Agilent	E4448A	US44300523	RE	2008/08/18 * 12
MHA-20	Horn Antenna 1-18GHz	Schwarzbeck	BBHA9120D	258	RE	2008/04/23 * 12
MCC-56	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	287602(1m) / 284655(5m)	RE	2008/03/12 * 12
MPA-11	MicroWave System Amplifier	Agilent	83017A	MY39500779	RE	2008/03/13 * 12
MHA-16	Horn Antenna 15-40GHz	Schwarzbeck	BBHA9170	BBHA9170306	RE	2008/04/30 * 12
MPA-13	Pre Amplifier	SONOMA INSTRUMENT	310	260834	RE	2008/03/06 * 12
MTR-08	Test Receiver	Rohde & Schwarz	ESCI	100767	RE	2008/06/12 * 12
MBA-03	Biconical Antenna	Schwarzbeck	BBA9106	1915	RE	2008/01/12 * 12
MLA-03	Logperiodic Antenna	Schwarzbeck	USLP9143	174	RE	2008/01/12 * 12
MCC-51	Coaxial cable	UL Japan	-	-	RE	2008/07/18 * 12
MAT-30	Attenuator(6dB)	TME	UFA-01	-	RE	2008/03/10 * 12
MAEC-04	Anechoic Chamber(NSA)	TDK	Semi Anechoic Chamber 3m	DA-10005	CE	2008/03/27 * 12
MOS-15	Thermo-Hygrometer	Custom	CTH-180	-	CE	2008/01/10 * 12
MJM-07	Measure	PROMART	SEN1955	-	CE	-
MSA-05	Spectrum Analyzer	Advantest	R3273	160400285	CE	2008/06/25 * 12
MTR-07	Test Receiver	Rohde & Schwarz	ESCI	100635	CE	2008/10/03 * 12
MLS-07	LISN(AMN)	Schwarzbeck	NSLK8127	8127364	CE(EUT)	2008/02/20 * 12
MCC-113	Coaxial cable	Fujikura/Suhner/TSJ	-	-	CE	2008/07/03 * 12
MPM-12	Power Meter	Anritsu	ML2495A	0825002	AT	2008/08/13 * 12
MPSE-17	Power sensor	Anritsu	MA2411B	0738285	AT	2008/08/13 * 12
MSA-04	Spectrum Analyzer	Agilent	E4448A	US44300523	AT	2008/08/18 * 12
MCC-115	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	290211/4	AT	2008/08/04 * 12
MAT-24	Attenuator(10dB)(above 1GHz)	Agilent	8493C	71389	AT	2008/06/25 * 12
MPSC-01	Power splitters/Combiners	Mini-Circuit	ZFSC-2-2500	0124	AT	2008/09/22 * 12
MOS-04	Digital Humidity Indicator	N.T	NT-1800	MOS04	AT	2008/11/27 * 12
MBTR-15	CBT Bluetooth Tester	Rohde & Schwarz	CBT	100401	AT	-

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**Head Office EMC Lab.**

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Facsimile : +81 596 24 8124

The expiration date of the calibration is the end of the expired month.  
All equipment is calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

As for some calibrations performed after the tested dates, those test equipment have been controlled by means of an unbroken chains of calibrations.

Test Item: CE: Conducted Emission  
RE: Radiated Emission  
AT: Antenna Terminal Conducted test